

MAKERS OF FINE TOOLS
USED BY WOODWORKERS WORLDWIDE



2000/2001 CATALOG #47
\$2.00



*Father's Day is June 18, 2001.
An Innovative Gift Idea Like
the PV-1 Pin Vise Can Be
Found on Page 36.*

EVERY ITEM IN THIS CATALOG,
AND MUCH MORE, CAN BE ORDERED
24 HOURS A DAY, 7 DAYS A WEEK
ON OUR SECURE WEB SITE.
PLEASE VISIT US AT YOUR CONVENIENCE:
www.bridgcitytools.com

HAND PLANES

A well-crafted plane holds a special place in the heart of woodworkers. Shearing wood with a razor edge and the resulting finish (*impossible to improve upon*) is one of those few moments where the maker, material and plane unite in the communion song we call craftsmanship.

These two new planes are the finest block planes produced in American history. They are unparalleled in form and function, and each is a tour-de-force of craftsmanship. We are please to introduce the **HP-1 PRECISION 12° LOW ANGLE BLOCK PLANE** and the **HP-2 PRECISION 20° BLOCK PLANE**.

THE PLANE IRON

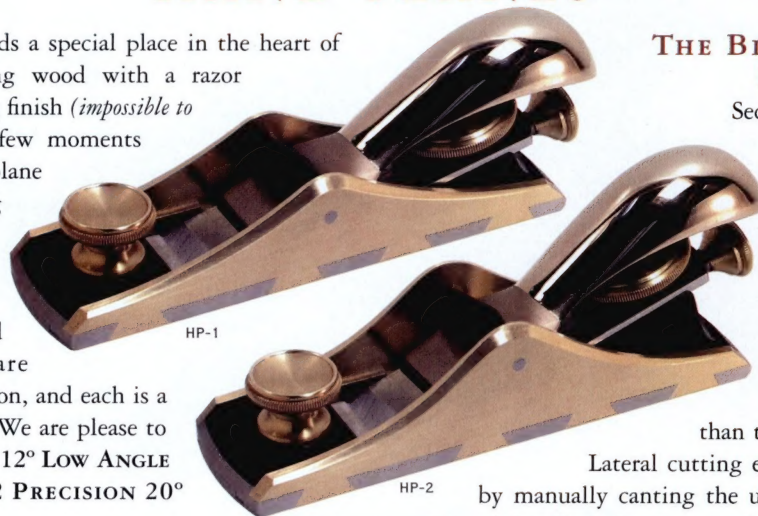
The precision ground, A-2 tool steel plane irons of the **HP-1** & **HP-2** are cryogenically tempered and will keep a razor edge much longer than traditional tool steels. (Cryogenic tempering is a supplemental process to heat/quench tempering where tool steel is cooled below -300 degrees Fahrenheit in liquid nitrogen for several hours—dramatically altering the molecular structure of the steel. The resulting fine grain structure of the metal allows for extremely sharp edges that hold an edge much longer than traditional processes.) After tempering, the back is lapped. This mirror surface will never need to be visited for sharpening! The primary/secondary bevels for the **HP-1** and **HP-2** are 20/25 and 25/30 degrees respectively. These plane irons are ready out of the box.

THE SOLE

From a solid blank of stainless steel the interior bosses are precisely CNC milled. The adjustable throats allow you to tailor the shaving and finish to your needs. The last machining step is grinding—neither of these planes will need assistance from you to be true. The front and rear of each plane is capped with a milled and anodized aluminum shoe creating a striking visual contrast of color.

THE SIDES

The brass sides are precision milled and are joined to the sole with an interlocking double dovetail joint. Many of you will wonder how we got this tool together—both exposed surfaces of the joint are dovetailed! After assembly, the sides are ground square to the sole so the planes can be used to “shoot” and edge.



THE BLADE ADJUSTMENT MECHANISM

Secluded within the body is a stainless steel, 40 TPI lead screw blade adjustment mechanism (identical to a micrometer). With one-quarter turn of the adjustment knob, you advance the cutting edge of the **HP-1** and **HP-2** 0.0013" and 0.00225" respectively—less than the thickness of a human hair.

Lateral cutting edge adjustments are achieved by manually canting the undersized blade either left or right. (It is important when honing to keep your fresh edge square to the sides. This is a precision tool and will not cut square if you are not reasonably close in your sharpening techniques.)

THE IRON CAP/HANDLE

Investment cast from silicon brass, this gorgeous study of motion and functionality is a key visual element. The curvature of the handle allows hands of all sizes to comfortably use these planes without compromises. The radial knurls of the locking wheel create a visual feast and a functional mechanism for securing the blade to the body of the tool. The portion of the cap in contact with the blade is milled, insuring a light-tight seam that eliminates chatter and keeps the cutting edge rigid to withstand the forces of cutting.

USES

Each plane is 6-1/2" in length, width is approximately 1-1/2", and the cutting edge is approximately 1-1/4". Overall height is just over 2". The **HP-1 PRECISION 12° LOW ANGLE BLOCK PLANE** is the perfect tool for planing hardwoods and is the only plane that can effectively cut end grain. This plane is sure to become one of your favorite tools and is quite an eye stopper. The **HP-2 PRECISION 20° BLOCK PLANE** is the perfect tool for planing hardwoods or softwoods and is perhaps the most used plane in the shop. This extraordinary plane is sure to become one of your favorite tools and is a perfect companion to the **HP-1 PRECISION 12° LOW ANGLE BLOCK PLANE**!

AVAILABILITY

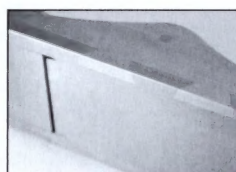
These planes are extremely laborious and the lead times are lengthy. Please allow 60-90 days for delivery.

HP-1 PRECISION 12° LOW ANGLE BLOCK PLANE	1101-150	\$599.00 (CLUB \$539.10)
HP-2 PRECISION 20° BLOCK PLANE	1101-151	\$599.00 (CLUB \$539.10)
HP-1 REPLACEMENT BLADE	1101-140RB	\$39.00 (CLUB \$35.10)
HP-2 REPLACEMENT BLADE	1101-147RB	\$39.00 (CLUB \$35.10)
HP-1 CUSTOM WALNUT DISPLAY CASE	2202-107	\$40.00 (CLUB \$36.00)
HP-2 CUSTOM WALNUT DISPLAY CASE	2202-108	\$40.00 (CLUB \$36.00)

*Buy the Pair and Receive
the Custom Walnut Display Cases
for FREE!*

HP-1 & HP-2 SET WITH WALNUT DISPLAY CASES	804	\$1198.00 (CLUB \$1078.20)
--	------------	-----------------------------------

Custom Engraving: HP-1 & HP-2: 12 characters.



MOST OF YOU WILL WONDER HOW WE GOT THIS TOOL TOGETHER.



THE BACKSIDE OF OUR PLANE IRONS ARE ALMOST UNBELIEVABLE. NEVER USE A STONE TO DEBUR, USE A LEATHER OR DENIM STROP.

UNIQUE SADDLE AND DOVETAIL SQUARES

Here are four tools designed to speed up the layout of any project where perfect adjacent lines are required. Please meet our **SADDLE SQUARES**.

How many times have you wanted to draw a line around a corner?

Traditionally, this involves moving your square from plane to plane and connecting the adjacent lines. The potential for error is always present and there is a significant time factor to accomplish this task accurately.

Let's discuss the layout of a mortise and tenon. Typically you would layout the shoulder lines establishing the tenon/mortise depth. These four independent lines should all connect perfectly at each corner.

How many times have you made this joint where there is a gap on one shoulder? This common error is the result of either a layout error or poor execution. And poor execution is often the result of sloppy layout. Our **SADDLE SQUARES** are your solution to gap free joints!

Once the shoulder lines are established, a marking gage is used to layout the cheek boundaries. How many times have you attempted this process on small work where the marking gage does not have sufficient bearing surface to produce a straight line? You can now complete this process accurately and very quickly with our new **SADDLE SQUARES**. These tools will layout adjacent lines on all angles from 180 degrees through 85 degrees, and really shine on small or large-scale work! Mortise and tenons, lap joints, finger and bridge joints, cross drilled dowel joints, haunched miter mortise and tenons, lapped miters...and the list goes on. *There is not a faster or more accurate way to perform similar tasks in your shop.*

Milled from solid brass, each of these exquisite tools will perform flawlessly in your shop. Inlaid into each face of the **SADDLE SQUARES** are two precise rosewood infills to complete the styling

of this remarkable tool. The hinge pin is custom turned from stainless steel, providing a smooth acting joint without slop.

Use the **SS-2** on eight-quarter stock or smaller, and the **SS-4** on four-inch or smaller material. Use the **SS-2x4** when you need the convenience of the two-inch and the four-inch legs in one tool. You will find that these squares will quickly become indispensable during your quest for "light-tight" work.

Our **SADDLE SQUARES** are attractive, accurate, fit your hand, and are a constant reminder that tools do not have to be so simple that they lack grace, dignity and the ability to inspire. We invite you to put our **SADDLE SQUARES** to the test in your shop. It is our experience these tools will quickly become some of your most cherished and trusted shop companions.



SS-2 SADDLE SQUARE	
1101-098	\$66.00 (CLUB \$59.40)
SS-2x4 SADDLE SQUARE	
1101-025	\$68.00 (CLUB \$61.20)
SS-4 SADDLE SQUARE	
1101-099	\$70.00 (CLUB \$63.00)
SS-DT SADDLE DOVETAIL SQUARE	
1101-122	\$107.00 (CLUB \$96.30)

Custom Engraving: SS-2, SS-2x4, SS-4 & SS-DT: 6 characters.

The **SS-DT SADDLE DOVETAIL SQUARE** really shines when it comes to dovetail layout. It replaces the need for a T-bevel and a square. The unique ability of this tool to fold around a corner will allow you to draw or scribe the necessary straight and angled pin lines in one easy stroke. Each and every

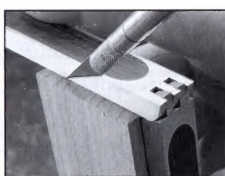
angled line will be perfectly connected to an adjacent vertical line. One tool, one line, two planes!

We are thrilled to bring this functionality to your shop with the addition of the **SS-DT**. I am sure you will find this compact tool to be of enormous help as you add dovetails to your skill set.

The **SS-DT** will work on all stock up to two inches in thickness. (The overall length is 6-1/4"; the width is 7/8".) I think you will agree the **SS-DT** is a welcome addition to our growing family of tools and a fascinating combination of innovation, craftsmanship and functionality.



DRAWING A LINE AROUND A CORNER HAS NEVER BEEN EASIER. USE THE **SS-2** FOR 3/4 STOCK OR SMALLER AND THE **SS-4** FOR LARGER WORK.



HERE IS THE FIRST TOOL ALLOWING YOU TO LAYOUT A LINE ON END GRAIN, REFERENCING THE NARROW DIMENSION OF STOCK.



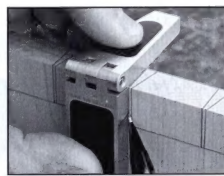
THERE IS NOT A FASTER OR MORE ACCURATE WAY TO LAY OUT JOINTS THAN WITH THE HELP OF OUR NEW **SADDLE SQUARES**.



A **SADDLE SQUARE** IS A PERFECT TOOL FOR JOINT LAYOUT WHEN YOUR STOCK IS TOO SMALL FOR A MARKING GAGE.



FOR RECTILINEAR WORK, THE **SS-2x4** WORKS IDEAL.



DOVETAILS HAVE NEVER BEEN FASTER THAN WITH OUR **SS-DT**. ONE LINE, TWO PLANES. IT DOESN'T GET ANY EASIER OR MORE ACCURATE THAN THIS.

OUR EXCLUSIVE HANDSAWS

It is with great pleasure we are able to offer you three of the finest handsaws produced in the world today. Here's their story....

Japanese saws differ from European or "Western" saws in four major design considerations. The blades are significantly shorter, they are much narrower, the teeth are "backward" and they have what appear to be excessively long handles. These substantial differences create a cutting tool simply unmatched in accuracy, speed, energy conservation, and ease of use compared to their Western counterparts.

European and American hand-saws rely on "brute force" for their effectiveness. Cutting on the "push" stroke places the saw blade under compression. (*We've all had these saws "buck" in the middle of a cut.*) Consequently, the blades are thicker to maintain rigidity. A thicker blade requires more force to do the job. More force requires more energy. And when energy runs thin and you become tired, the job is no longer fun, it's work. If this were not enough, residing at the end of your forearm is an organic "universal joint"—the wrist. The small muscles of the wrist easily fatigue, which is why sawing with a traditional rip or crosscut saw is hard work—making accuracy difficult.

In contrast, a Japanese hand saw cuts on the "pull" stroke. A saw blade under tension can be substantially thinner than a blade designed for a push stroke. (You can push a wire through a pipe before it buckles, but you can always pull a thread through!) Additionally, the muscles drawing your hands and arms towards your torso are much bigger and stronger than those muscle combinations that "push". No matter how you word it, pushing is a "force" move and pulling is a "finesse" move. Finesse is required to do accurate work. Imagine spending one or two hours behind a traditional European saw...no thanks! Conversely, it's almost impossible to become fatigued using any Japanese pull saw. The thinner blade allows for finer teeth and fine teeth yield more accurate cuts with much less effort. Because these saws are so fast cutting and efficient, the blades are almost half the length of a Western saw, yet the results are twice as fast! This is true economy of motion and material.

The long handle of Japanese saws can "splint" the wrist by bracing to the forearm. With a "stiff wrist" it's easy to cut a dead straight line. At other times you'll find gripping the handle at the end advantageous—like many techniques, everybody has a favorite. **However, there is simply no comparison between a Japanese wood-working saw and their Western counterparts in speed, accuracy and ease.**

All that's needed to cut efficiently and faster than you have ever done in the past is a light pull stroke and a graceful retreat. **You simply need to completely abandon any urge to apply a downward force while cutting. It doesn't get any easier!**

The tool steel in Japanese saws is remarkable for its ability to hold an edge in comparison to European style saws. At times it's difficult to believe they are not dull! Although it was common (*if not economically imperative*) to sharpen saws, it's now more economical, efficient and practical to replace blades. I have used Japanese saws for over twenty

years and I quit sharpening them about nineteen years ago...you get the idea. It makes little sense to file these extraordinarily fine teeth by hand. (*I cannot even see the teeth on our new Dozuki saw without magnification!*) If your work habits are "tool friendly", you can expect to use your Japanese saws for hundreds of hours before you notice the effects of dulling. "Let the saw do the work" works best for blade longevity.

The care, skill and reputation of the Japanese saw maker has a direct impact on the price of the saw. You can spend over \$1,000 for a single saw in Japan! Although this might seem excessive (at least it does to me) you can expect to pay upwards of \$100 for a professional saw where the cut is simply hard to believe. Almost any Japanese saw, even the "warehouse depot" models will outperform most European style saws in cutting efficiency. However, cuts looking like they have been made with a razor, and feel like glass to the touch, are only achievable with professional quality saws produced for true craftspeople.

There are three commonly used Japanese saws found in the woodshop: the DOZUKI, RYOBA, and the KATABA. We are thrilled to



"...cuts looking like they have been made with a razor, and feel like glass to the touch, are only achievable with professional quality saws..."

share with you these three exquisitely crafted saws designed and produced exclusively for the customers of Bridge City Tool Works, Inc.!

The consistent golden color of the high-grade Japanese steel is your assurance the blade has been correctly tempered. Most manufacturers grind off this "discoloration" which can introduce unnecessary stress back into the steel and/or hide poor quality and inconsistent work.

The handles are simply beautiful. Each is hand wrapped with a special braided cord, the ends capped with brass ferrules. You will love the way these tools cut, feel, and when they're not working, you will love the way they make your shop look! Finally, each of the saws comes with a high quality protective sleeve for vertical or horizontal storage.

I learned during my visit to Japan that most saws specifically made for export are of a much lower quality than similar tools for Japanese craftsmen—not the case with these professional saws. We are confident you will find these three saws to be the finest replaceable blade saws available in the States today. Happy sawing!

PROFESSIONAL DOZUKI SAW

With a maximum cutting depth of 1-1/2", a blade length of approximately eight inches and an overall length of 21", our 32 teeth per inch **DOZUKI** is an extremely fine tooth backsaw used primarily for cutting joints. With this saw in your hand, there isn't a joint you can't confidently cut with unprecedented accuracy and speed! Perhaps the finest **DOZUKI** saw in America today, the blade is an astonishing 0.20mm thick which is only eight thousandths of an inch! It simply is the smoothest cutting saw I have ever used! Once cut, the wood feels and appears like it

was hand planed. No shop should be without this phenomenal cutting tool, regardless of how many saws you currently own. (You can recycle your European style saws by removing the teeth and shearing the blade into various wood scrapers.) We guarantee you have not used a saw that works or cuts as well as this **PROFESSIONAL DOZUKI BACK SAW**.

PROFESSIONAL RYOBA SAW

This is the most popular saw used by woodworkers in Japan. The **RYOBA** has crosscut teeth on one edge and rip teeth on the opposite edge—it makes such economical sense. This professional grade saw comes in various sizes in Japan, with progressively larger teeth as the saw edges become longer. Our **RYOBA** has a cutting length of 9" and is perfectly sized for furniture or cabinetmakers, and also works well for finish carpenters. The crosscut saw has 15 teeth per inch, the rip saw 8 teeth per inch. Blade thickness is a robust 0.49mm (0.0195"). Overall length is approximately 24". Remember, let the saw do the work and you won't believe how easy it is to cut wood by hand! This is a great saw when you are not cutting joints or miters.

PROFESSIONAL KATABA SAW

This exquisite saw is used for fine, deep cuts and is handy for flush cutting. A very popular furniture making saw, our **KATABA** has 20 teeth per inch dispersed over nine inches. Overall length is 21". Because this is not a backsaw, blade thickness is 0.40mm or sixteen thousandths (0.016") of an inch. Cuts are silky smooth with or across the grain. The **KATABA** saw is the tool of choice when you need cuts deeper than possible with a **DOZUKI**. Perfect for tenons and larger dovetails as well as flush cutting and general-purpose sawing needs. It is a delightfully efficient and accurate cutting tool with a perfect balance.

JS-1 PROFESSIONAL DOZUKI BACK SAW	
1101-130	\$89.00 (CLUB \$80.10)
JS-1RB REPLACEMENT BLADE (32 TPI)	
1101-131	\$39.00 (CLUB \$35.10)
JS-2 PROFESSIONAL RYOBA RIP/CROSSCUT SAW	
1101-132	\$78.00 (CLUB \$70.20)
JS-2RB REPLACEMENT BLADE (15 TPI CROSSCUT, 8 TPI RIP)	
1101-133	\$49.00 (CLUB \$44.10)
JS-3 PROFESSIONAL KATABA SAW	
1101-134	\$79.00 (CLUB \$71.10)
JS-3RB REPLACEMENT BLADE (20 TPI)	
1101-135	\$39.00 (CLUB \$35.10)

Buy One of Each and SAVE!

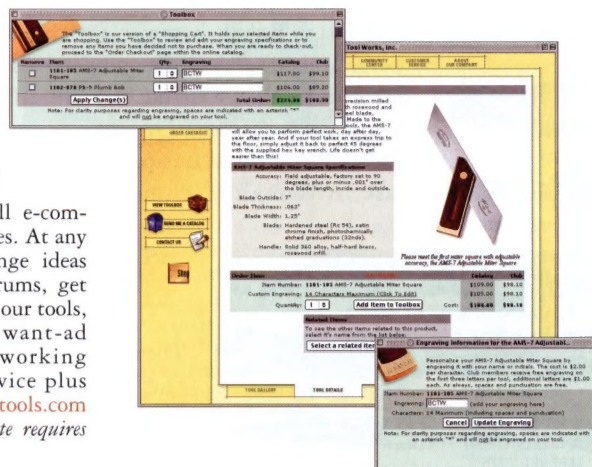
JS-1 DOZUKI SAW WITH REPLACEMENT BLADE	
474	\$126.00 (CLUB \$113.40)
JS-2 RYOBA SAW WITH REPLACEMENT BLADE	
475	\$124.00 (CLUB \$111.60)
JS-3 KATABA SAW WITH REPLACEMENT BLADE	
476	\$116.00 (CLUB \$104.40)

Custom Engraving: JS-1, JS-2 & JS-3: 5 characters.

www.BridgeCityTools.com

Shop Online and a Whole Lot More!

[bridgcitytools.com](http://www.bridgcitytools.com) is a secure, full e-commerce web site packed with amenities. At any time you can: shop online, exchange ideas with other woodworkers in our forums, get detailed technical information on all our tools, post an ad to buy or sell in our want-ad section, get hard to find woodworking answers, or contact customer service plus much more. Visit www.bridgcitytools.com today! Note: For your security, our site requires version 4.0 browsers or higher.



OUR UNIQUE PALM BRACE

PROLOGUE

For those of you old enough to remember, grinding the valve seats of a Ford Model "A" engine were done by hand with a round and tapered grinding stone attached to a small, bent wire brace. If you did not know this, don't feel bad—neither did I. But a while back I crossed paths with an original Model "A" maintenance manual and have had a difficult time forgetting the elegantly simple (and beautifully illustrated) valve-grinding tool.

More recently, (1988) an inventor received a patent on a quick-change chuck for portable drills that employed notched, $\frac{1}{8}$ " hex shank tooling. This invention has revolutionized drill chucking and has

Although it is small, it packs a wallop when it comes to control, accuracy and speed.

become one of the most popular tools in American history. Every major drill manufacturer now offers a quick-change chuck using hex tooling.

These singular ideas are about to find their way into your shop....

A NEW TOOL IS BORN

We are introducing a completely new tool idea that has created quite a stir (bad pun) with those who have seen the early version—please meet the **PB-1 PALM BRACE**!

This beautiful and unique brace employs a special stainless steel chuck that firmly holds all $\frac{1}{8}$ " hex shank bits. Today, with literally hundreds of $\frac{1}{8}$ " hex shank tools and bits available, the **PB-1 PALM BRACE** becomes a viable and handy alternative to bulky drills and the hassles of batteries and cords. Whether you are drilling pilot holes, driving screws or countersinking, the **PB-1 PALM BRACE** is perfectly suited to the task. Although it is small, it packs a wallop when it comes to control, accuracy and speed.

USES

The primary shop uses for the **PB-1 PALM BRACE** are drilling, countersinking and driving screws.

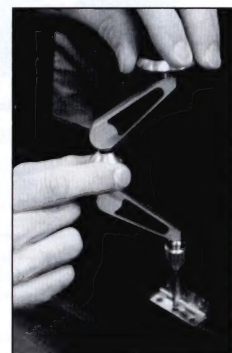
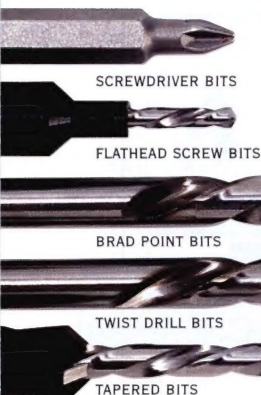
The **PB-1 PALM BRACE** is hard to beat for all holes up to $\frac{1}{4}$ " diameter. This capacity and range addresses most pilot hole requirements needed for screws. With amazing speed and accuracy, this brace allows you to cleanly bore holes with very little effort. And you'll find bits stay sharper longer because the force needed to drill holes by hand is more "bit friendly". Drills are available in both brad-point and traditional twist drill styles. Brad points cut faster and cleaner in wood than twist drills, however they cannot be used for metal boring. Twist drills are much more utilitarian and can be used on almost all raw materials encountered in the woodshop, including most metals. We offer complete sets of both styles. We also offer several stepped bits for screw pilot/shank/counterbores or countersink combinations in one pass.

The first time you bore a small hole with the **PB-1 PALM BRACE** you will be shocked at how quickly you can drill by hand. It's amazingly fast, accurate and pleasurable! Using this tool is unlike any other hand tool we have produced. It is so simple, so smooth and so much fun to use, you will find yourself keeping this tool on your bench most of the time! It will also be one of the first tools you'll show off to your woodworking cronies!

Combination drilling/countersinking is equally fun and impressive with the **PB-1 PALM BRACE**. It's very easy to accurately control depth so Flathead screws look perfect. Again, the simple joy of using the **PB-1 PALM BRACE** for drilling/countersinking is almost always accompanied by a reassuring smile. With a single drill/countersink bit, you'll be able to seat #4-12 Flathead screws with ease. Single flute countersinks work great in wood and non-ferrous metals.

Driving screws with the **PB-1 PALM BRACE** will "charm your socks off". Finally, here's a tool where you can "feel" the exact torque needed to do sensitive work, a really big deal with small brass screws. No more stripped screws, no more broken screws. Once you use the **PB-1 PALM BRACE** to install hardware you will find a traditional screwdriver awkward! Screwdriver bits are available in a myriad of styles and sizes. We offer the most common bits needed in a wood shop including the popular square drive bit.

In addition to the numerous drills, countersinks and screwdriver bits, we



THE PALM BRACE FITS INTO ANY JOB EASILY.

also offer an extension arm for the **PB-1 PALM BRACE**. This 6" extension allows you to reach into places that may be inaccessible.

CONSTRUCTION

The **PB-1 PALM BRACE** arms are CNC milled from solid brass, pocketed and infilled with rosewood. The arms are joined with a hardened steel coupling that is broached in place in a custom alignment fixture. The **PB-1 PALM BRACE** is an extraordinarily strong tool for its size.

The split and tapered chuck is custom made from stainless steel and is broached to accept all $\frac{1}{4}$ " hex tools. Bits are firmly secured in place by a solid brass locking knob. They will not slip or wobble during use. The chuck shaft is also broached in place creating a very rigid joint with the lower brace arm.

The top knob of the **PB-1 PALM BRACE** smoothly pivots around a steel shaft that is broached in place in the top arm. A precisely sized and finished rosewood infill completes the knob. The size and shape of this turning perfectly fits the palm of the hand and adds a compelling visual element to the overall design of the tool.

Finally, the revolving, ball shaped handle is turned from solid brass. This specially shaped handle is designed to compliment or mirror other components of the brace in addition to providing a firm and solid grip for your fingers. Although it is diminutive in size, it is robust, strong and capable of decades of use.

SUMMARY

Having designed all the tools made by Bridge City, I can honestly say this tool is uniquely different. It reminds me of a puppy. When you walk by this little gizmo you feel compelled to pick it up and pet it. The 6- $\frac{1}{2}$ " tall **PB-1 PALM BRACE** has a definite personality, it will charm its way into your heart, and it will prove its value as a trusted and worthy shop companion. After just five minutes of use, I suspect you will agree with me, why wasn't this tool invented before?

PB-1 PALM BRACE

1101-146 **\$159.00** (CLUB \$143.10)

Accessories

POWER SCREWDRIVER BIT SET

7PC SET INCLUDES: 2 SLOTTED, 3 PHILLIPS, 2 SQUARE

1101-146-1 **\$12.50** (CLUB \$11.25)

HSS TWIST BIT SET (135° SPLIT POINT, M7 STEEL)

13PC SET INCLUDES: $\frac{1}{16}$ ", $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{9}{32}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ "

1101-146-2 **\$49.95** (CLUB \$44.95)

BRAD POINT DRILL BIT SET

12PC SET INCLUDES: $\frac{1}{16}$ ", $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{9}{32}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ "

1101-146-3 **\$79.95** (CLUB \$71.95)

FH SCREW DRILL/COUNTERSINK SET (SINGLE FLUTE)

FOR: #4, #6, #8, #10, #12 FH SCREWS

1101-146-4 **\$26.25** (CLUB \$23.60)

TAPER DRILL SET WITH 4 FLUTE COUNTERSINK ($\frac{1}{8}$ " DIAMETER PLUG)

3PC SET INCLUDES: $\frac{1}{16}$ ", $\frac{1}{8}$ ", $\frac{1}{4}$ "

1101-146-5 **\$32.25** (CLUB \$29.00)

POWER BIT EXTENSION (6")

1101-146-6 **\$8.95** (CLUB \$8.05)

Save Over \$19 on Our Best Buy Package!

PB-1 PALM BRACE & BIT SET

SET INCLUDES: PB-1 PALM BRACE, POWER SCREWDRIVER BIT SET, HSS TWIST BIT SET, BRAD POINT

DRILL BIT SET, FH SCREW DRILL/COUNTERSINK SET, TAPER DRILL SET, POWER BIT EXTENSION

530 **\$349.00** (CLUB \$314.10)

Custom Engraving: PB-1: 5 characters.

NOTE: MANY OF THE HEX TOOLS IN THIS OFFER ARE ALSO AVAILABLE AT WAREHOUSE OUTLETS AT A LOWER COST. HOWEVER, THEY ARE NOT AMERICAN MADE AND THE QUALITY IS SUBSTANTIALLY LOWER.

BECOME A MEMBER OF THE BRIDGE CITY TOOL CLUB TODAY AND SAVE 10% OFF EVERY ORDER AND MUCH MORE!

The Bridge City Tool Club provides many exclusive benefits for its members. The \$40.00 annual membership dues entitles Tool Club members to receive the following:

Our Very Popular "Sneak Preview" Announcements! Four or five times per year we introduce new products to Tool Club members before they make the pages of our catalog. This ensures that our club members will always be offered our new tools at a lower price than non-members. This is the very best way to own the extraordinary tools from Bridge City Tool Works!

"Signature Series" Tools! Each tool from an initial production run of a new tool is numbered and signed by the designer, John Economaki. These popular limited editions are available exclusively to Club Members at a price that is always less than the catalog version of the same tool!

Catalog Discounts and Special Sales. Bridge City Tool Club members receive a 10% discount off retail purchases from our catalog. Club members with email addresses receive additional discounts on sale items in our popular email only sales.

Exclusive, One-of-a-Kind Tool Offerings. Once a year, we design and manufacture one new tool offered exclusively to Bridge City Tool Club members, never to be made again! Pictured is one of the most interesting tools we have produced—Commemorative Tool #7, the CT-7 Low Angle Block Plane. The announcement of our Commemorative tool is a much anticipated annual event!

Free Engraving on All Tool Purchases! On each tool, your first three letters are free, additional letters are half price, at \$1.00 per letter.

Members Have the Option of Purchasing All Future "Signature Series" Tools With Their Unique Club Member Number. Your Bridge City Tool Club membership entitles you to reserve one number for the duration of your membership year. Additional numbers may be reserved for \$10.00 each, per year, with your membership.

Automatic Ordering. Bridge City Tool Club members may opt to have new tool introductions automatically sent without ordering. If you receive a tool under this plan and do not wish to keep it, we will issue you a full refund. This is a no risk service for those who do not want to miss a good deal.

Convenience of Automatic Renewals. One month prior to your club expiration date, we will send you an automatic renewal notice. If you do not wish to renew your club membership, you may notify us by phone, fax, e-mail or mail. Should you forget to inform us that you wish to cancel your membership, all you have to do is request a no-hassle refund.

Bridge City Tool Club Membership is a No-Risk Proposition. Refunds consist of membership dues less any discounts that were applied during the membership year. Refunds will not be approved if commemorative tools have been ordered and received.



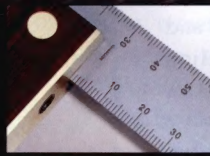
CT-7
LOW ANGLE
BLOCK PLANE

ADJUSTABLE TRY SQUARES

TRY SQUARE DESIGN HAS NOT IMPROVED IN OVER 100 YEARS, UNTIL NOW....

Our new triangulation system (*patent pending*) represents a revolutionary development in try square design, shattering the paradigm of the fixed bladed square as the definitive design solution. These new squares feature a proprietary blade/handle alignment mechanism allowing you to maintain squareness in the harshest of environments.

When any square takes an unexcused trip to the floor, the factory specifications typically go out the window. Now, for the first time, it is possible for anyone to recalibrate one of these squares



Now Available in Metric!



"I've never written to you folks before, but this time you deserve it. The AS-14 Try Square is the finest tool I own."

with a simple hex key. Buried within the solid brass handle is a triangular (*geometry's strongest shape*) jack screw mechanism.

Should the tool fall out of tolerance, simply lay your square against the straight edge of a smooth board and scribe a line. Flip the handle 180° and align the blade along the line. Any deviation is twice the error of the tool. Adjust the set screws in the handle faces, loosening one while equally tightening the other. This process takes a couple of minutes and your square and confidence are restored.

These **ADJUSTABLE TRY SQUARES** are factory calibrated to plus or minus .001" over the length of the blade. This is unheard of accuracy! They feature graduated blades, made of satin chromed, hardened steel which are precisely aligned with both faces of the handle. The outside graduations are aligned with the outside face of the handle, allowing the tool to be used as a true measuring device. This rule reads exact "0" at the heel of the square and increases toward the tip of the blade to accurately read height or

ACCURACY: FIELD ADJUSTABLE, FACTORY SET TO 90 DEGREES, PLUS OR MINUS .001" OVER THE BLADE LENGTH, INSIDE AND OUTSIDE.
HANDLE: SOLID 360 ALLOY, HALF-HARD BRASS, ROSEWOOD INFILL.
BLADE: HARDENED STEEL (RC 54), SATIN CHROME FINISH, PHOTOCHEMICALLY ETCHED GRADUATIONS (32NDS).

BLADE DIMENSIONS ARE AS FOLLOW:

TOOL	OUTSIDE	INSIDE	WIDTH	THICKNESS
AS-14	14"	12.375"	1.50"	.080"
AS-9	9"	7.50"	1.50"	.080"
AS-7	7"	5.75"	1.25"	.060"
AS-5	5"	4.00"	0.92"	.045"
AS-3	3"	2.00"	0.92"	.041"
AMS-7	7"	N/A	1.25"	.063"

length distances. The inside graduations are aligned perfectly with the inside face of the handle, so it can be used as a hook rule.

THE AS-14 ADJUSTABLE TRY SQUARE

The AS-14 is the largest try square we produce. The graduated blade measures 14" on the outside and 12.375" on the inside, allowing you to layout lines and perform measurements down to 32nds of an inch. The AS-14 is also equipped with a built-in slide stop. This handy lever easily slides out and locks in place, holding the tool to your material and freeing up your hands for other tasks. This is a very popular feature! The AS-14 is a valuable shop companion, which will serve your needs today, tomorrow and for generations to come.

THE AS-3, 5, 7 & 9 ADJUSTABLE TRY SQUARES

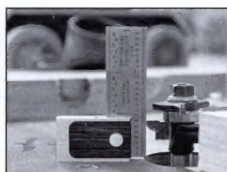
Made with the same exacting standards as the AS-14, the AS-3 measures 3" on the outside and 2" on the



ADJUSTING THE ACCURACY OF THESE SQUARES IS QUICK AND EASY, ENSURING A LIFETIME OF ACCURATE USE.



NOTHING BEATS A TOOL SIZED FOR THE JOB. THIS SQUARE HAS BEEN A LONG TIME COMING.



SETTING ROUTER BITS ARE A SNAP FOR THE AS-3.



THE SLIDE STOP ON THE AS-14 ALLOWS FOR "NO HANDS" WORK. THIS IS A BRIDGE CITY EXCLUSIVE!

inside rule. It slips easily into an apron pocket and is perhaps the finest tool yet for setting router bit depths. Set it on your router base, spin the bit to the height on the rule and off you go. Another terrific function is the ability to get into confined spaces. Small drawers, scaled work, box making, toy making, model making, and joint work are but just a sampling of the applications for this new and exciting square. Because of its petite size, we highly recommend this tool for the young woodworker in your shop. The AS-5, AS-7 and AS-9 squares are mid size tools—pick the size appropriate for your needs or purchase all five in one of our specially priced sets mentioned on page 28.

NOW AVAILABLE IN ENGLISH OR METRIC!

For our customers who have been begging us to produce a metric square, your wait is over! We are proud to introduce the AS-3, 5, 7, 9 and 14 ADJUSTABLE TRY SQUARES in a metric version.

Please specify English or metric.

AS-14 ADJUSTABLE TRY SQUARE
1101-062 \$139.00 (CLUB \$125.10)
AS-9 ADJUSTABLE TRY SQUARE
1101-071 \$129.00 (CLUB \$116.10)
AS-7 ADJUSTABLE TRY SQUARE
1101-077 \$109.00 (CLUB \$98.10)
AS-5 ADJUSTABLE TRY SQUARE
1101-076 \$86.00 (CLUB \$77.40)
AS-3 ADJUSTABLE TRY SQUARE
1101-063 \$66.00 (CLUB \$59.40)

*Custom Engraving: AS-3, AS-5, AS-7: 14 characters;
AS-9 & AS-14: 20 characters.*

THE AMS-7 ADJUSTABLE MITER SQUARE

We have taken a solid chunk of brass, precision milled it into an "I" beam, infilled the cavity with rosewood and attached a precision ground stainless steel blade, creating the world's finest miter square. Made to the exacting standards of all our AS series tools, the AMS-7 will allow you to perform perfect work, day after day, year after year. And if your tool takes an express trip to the floor, simply adjust it back to perfect 45 degrees with the supplied hex key wrench. Life doesn't get easier than this!

AMS-7 ADJUSTABLE MITER SQUARE
1101-105 \$109.00 (CLUB \$98.10)

Custom Engraving: 14 characters.

TRANSFER BEVELS

We combined rosewood and brass to create a unique and useful tool—a transfer bevel that lies in one plane. Now it is easy to accurately transfer angles from drawings to material or machine setups and vice-versa. Unlike the T-bevel, whose blade and handle reside in two different planes, the **TRANSFER BEVEL** sits evenly in one plane to provide a precise measurement.

The **TRANSFER BEVEL** can accommodate any angle setting from 20° to 180°. Certain applications have been screaming for this tool. My favorite is transferring an angle from a drawing to a board or machine setup. Sometimes I will fuss around perfecting an angle on my table saw and desire to transfer this angle, for future reference, to a sheet of paper without the bother of figuring out what the angle is. Now I can!

The **BS-10 TRANSFER BEVEL** measures 10" on the outside and 9" on the inside reference edge. It will fit the bill for most large jobs. The **BS-5 TRANSFER BEVEL** is handy for small scale work and fits easily in an apron pocket. It measures 5-1/4" on the outside and 4-1/2" on the inside reference edge.

"I have wanted a tool that does what this one does for over thirty years. Where have you folks been hiding?"



ADJUSTABLE POWER TOOLS ARE EASILY AND ACCURATELY ALIGNED WITH OUR TRANSFER BEVEL.



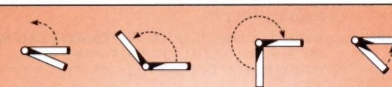
IT WAS EASY TO PICK UP THE CENTER LINES OF A CHAIR SEAT AND REAR LEG, THEN TRANSFER THIS READING TO THE MITER GAGE OF MY TABLE SAW TO ACCURATELY NOTCH THE SEAT.

BS-5 TRANSFER BEVEL
1101-064 \$93.00 (CLUB \$83.70)
BS-10 TRANSFER BEVEL
1101-065 \$108.00 (CLUB \$97.20)

Buy Both and Save \$6.00!

TRANSFER BEVEL SET
1111-010 \$195.00 (CLUB \$175.50)

*Custom Engraving: BS-5: 10 characters;
BS-10: 14 characters.*



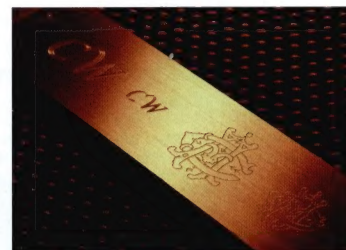
KNOB: SOLID BRASS, KNURLED WITH ROSEWOOD INFILL.
LEGS: SOLID 360 ALLOY HALF-HARD BRASS, ROSEWOOD INFILL.

TOOL	OUTSIDE	INSIDE	WIDTH	THICKNESS
BS-5:	5.25"	4.50"	.75"	.30"
BS-10:	10"	9"	.97"	.35"

CUSTOM ENGRAVING

Whether to protect your investment or to give loved ones something of you to cherish in generations to come, this inexpensive engraving service adds personal expression to your tools. Call for prices regarding special logos and fancy lettering. Engraving capabilities vary by tool. Maximum

characters (including punctuation and spaces) are indicated with each tool. Custom engraving is available for \$2.00 per letter (punctuation is free). Bridge City Tool Club Members receive the first three letters free and additional letters at half price per tool. Please indicate your preference when placing your order.



characters (including punctuation and spaces) are indicated with each tool. Custom engraving is available for \$2.00 per letter (punctuation is free). Bridge City Tool Club Members receive the first three letters free and additional letters at half price per tool. Please indicate your preference when placing your order.

DEPTH AND HEIGHT GAGES

THE DG-2 DEPTH GAGE

The DG-2 DEPTH GAGE is three tools in one: a depth gage, a marking gage and a hook rule. Add the optional height gage attachment and you have one of the most useful and versatile tools we produce. The DG-2 DEPTH GAGE features a built-in zero adjustment. By simply setting the tool on a flat surface and allowing the depth stem to bottom out, the tool can be calibrated to zero. All depth readings are made at the top of the tool, you do not have to remove the tool from your work to check the depth. The DG-2 DEPTH GAGE is a very handy shop aid and has a myriad of useful functions. Some obvious uses include: depth readings in blind situations, rabbet and dado depth measurements and

depth of cut measurements from routers. The DG-2 DEPTH GAGE is available in English or metric.

"I own just about every tool you folks have made and this tool is the most useful in my shop. It makes me feel good every time I touch it."

This tool converts to one of the nicest marking gages you have ever seen. Simply attach the beveled cutter and the precision rule

allows you to set your cutter distance with accuracy in record time. This cutter is identical to those in our patented marking gages and leaves an identical razor clean mark. For those of you who have always wanted a *graduated* marking gage, this is your tool. When you attach the beveled cutter with the major diameter facing the sole of the tool, you can use the depth stem as an accurate hook rule.

THE HG-2 HEIGHT GAGE ACCESSORY

With this handy accessory you can accurately measure heights of table saw blades, shaper spindles, etc. This device also measures the exact height of radial arm saw blades off the table. For those of you who own radial arm saws, this tool is indispensable. You can also measure the depth of a drill on a drill press. Very handy.

Let's say you want your $\frac{1}{4}$ " spiral router bit set exactly for a $\frac{3}{8}$ " depth of cut. Set the height gage to $\frac{3}{8}$ " and place the tool on the bottom of your router or on top of your router table. Spin your bit up until it touches the steel height gage pad. Viola! You're off and running. No second guesses, no trial and error. One word sums it up: productivity.

The DG-2 DEPTH GAGE and the HG-2 height gage accessory are the most versatile tools we produce. See for yourself why tens of thousands of woodworkers rely on our tools to help them in their pursuit of quality craftsmanship.



AVAILABLE IN EITHER
ENGLISH OR METRIC
GRADUATIONS.

DG-2

HG-2

- CAPACITY:** DG-2: 5" DEPTH ENGLISH VERSION, 130MM DEPTH METRIC, $\frac{1}{8}$ " MINIMUM HOLE DIAMETER; HG-2: 5" HEIGHT ENGLISH VERSION, 130MM HEIGHT METRIC.
- BODY:** DG-2: SOLID ROSEWOOD, FACED WITH 360 ALLOY BRASS WEAR PLATE, $5\frac{7}{8}$ " SOLE; HG-2: 360 ALLOY, HALF-HARD BRASS, $5\frac{1}{8}$ " LENGTH, $2\frac{3}{8}$ " BLACK OXIDE ARM WITH FOOT PAD.
- STEM:** DG-2: $8\frac{1}{2}$ " LENGTH, SOLID BRASS, FACED WITH HARDENED STEEL, SATIN CHROME MEASUREMENT SCALE.
- CUTTER:** DG-2: HARDENED STEEL, ROCKWELL 62, PRE-SHARPENED.
- KNOB:** SOLID BRASS, KNURLED WITH ROSEWOOD INFILL.

- DG-2 DEPTH GAGE** (SPECIFY ENGLISH OR METRIC)
1101-047 \$129.00 (CLUB \$116.10)
- HG-2 HEIGHT GAGE ACCESSORY**
1101-055 \$75.00 (CLUB \$67.50)
- DG-2 ADDITIONAL STEM** (SPECIFY ENGLISH OR METRIC)
1101-048 \$39.95 (CLUB \$35.96)
- REPLACEMENT CUTTING WHEEL & SCREW SET**
1101-047-1 \$8.00 (CLUB \$7.20)

Order The Complete Set & Save Over \$14.00!

- DEPTH GAGE SET**
1111-008 \$229.00 (CLUB \$206.10)
- SET INCLUDES: ONE DG-2 DEPTH GAGE IN ENGLISH, ONE HG-2 HEIGHT GAGE ACCESSORY, AND ONE ADDITIONAL STEM IN METRIC.

Custom Engraving: HG-2: 28 characters, the DG-2 cannot be personalized.



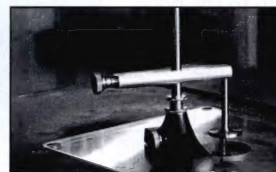
TO MEASURE DEPTHS, LOOSEN THE LOCKING KNOB AND LET THE DEPTH STEM DROP. THE READOUT SLEEVE SHOWS THE EXACT MEASUREMENT.



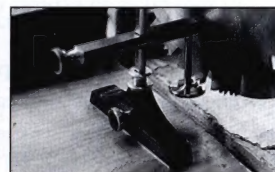
ATTACH THE CUTTER TO THE BOTTOM OF THE DEPTH STEM AND THE TOOL BECOMES A MARKING GAGE.



REVERSE THE CUTTER AND IT MAKES AN EXCELLENT HOOK RULE.



WITH THE HG-2 HEIGHT GAGE, PRECISE ROUTER BIT SETTINGS ARE EASILY ACHIEVED.



HG-2 READS HEIGHTS FROM ABOVE OR BELOW A REFERENCE SURFACE.

MARKING, MORTISING AND PANEL GAGES

Our marking gage family is equipped with state-of-the-art cutting discs that slice through wood like it was chocolate. These hardened steel (Rc 62) cutting discs are precision turned and beveled. The wedging action of the disc draws the fence against the edge of your work ensuring straight lines even in coarse grained wood. You will get razor clean marks

in one pass, with no chance for the cut to drift with the grain. Your entry and exit marks are in the same place as the rest of your scribed line.

One eighth of each cutter is exposed (they do not rotate during use) allowing for eight "blade changes" before the

cutters need to be sharpened. For heavy users, these cutters will stay sharp 4-6 years and for many, this tool will never need to be sharpened!

MG-3 MARKING GAGE / DEPTH GAGE

This is the best tool for scribing a single line. The MG-3 will handle any marking job up to 6" with ease. Its graduated beam is the fastest way to lay out razor-crisp reference lines. The MG-3 is also an excellent depth gauge, making mortise and tenons a snap! This extraordinarily beautiful tool will make a fine addition to any shop and is our most popular marking gage.

MG-2 MARKING / MORTISING GAGE

The MG-2 is used to layout double or single lines. For mortising work, the second stem of the MG-2 is really handy. You can also use the MG-2 to grip a standard pencil when you do not want a permanent mark.

THE PG-24 PRECISION PANEL GAGE

This tool will accurately scribe or draw lines, circles and arcs to the center of a 48" wide panel. The panel gage, the largest of the marking gage family, is the tool you use to layout or determine parallelism over distances greater than six to eight inches. This occurs frequently in furniture building and is a task easily suited to the large capacity of the PG-24.

An Added Treat: The PG-24 PRECISION PANEL GAGE is also a 24" Precision Beam Compass!



Patiently waiting in the threaded brass sole of your PG-24 is a steel pivot point. With a small screwdriver, remove the point and reverse it. You now have a delightfully functional beam compass, capable of scribing arcs up to 46" in diameter! You can scribe arcs with the precision knife, or you can use the beautiful brass collet to clamp in a pencil. With either application, the PG-24 is a versatile shop compass that will provide you with accurate circles and arcs for decades to come. A large marking gage and a compass in one tool—a combination tough to beat!

CAPACITY: MG-3: 6"; MG-2: 8-1/8"; PG-24: 1/2"-24".
CUTTERS: HARDENED STEEL, ROCKWELL 62, PRE-SHARPENED.
FENCES: MG-3: SOLID ROSEWOOD, FENCE LENGTH IS 2-1/2"; MG-2: SOLID ROSEWOOD, FENCE LENGTH IS 5-1/4"; PG-24: SOLID JUARATM WOOD, FACED BOTH SIDES WITH 360 ALLOY BRASS WEAR PLATES.
BEAM: PG-24: SOLID JUARATM WOOD.
KNOB: SOLID BRASS, KNURLED; MG-3 & MG-2: ROSEWOOD INFILL; PG-24: JUARATM WOOD INFILL.

MG-3 MARKING/DEPTH GAGE (SPECIFY ENGLISH OR METRIC)
 1101-085 \$129.00 (CLUB \$116.10)
MG-2 MARKING/MORTISING GAGE
 1101-012 \$155.00 (CLUB \$139.50)
PG-24 PRECISION PANEL GAGE
 1102-079 \$215.00 (CLUB \$193.50)
MG-3 ADDITIONAL STEM (SPECIFY ENGLISH OR METRIC)
 1101-089 \$39.00 (CLUB \$35.10)
REPLACEMENT CUTTING WHEEL & SCREW (WORKS ON ALL GAGES)
 1101-047-1 \$8.00 (CLUB \$7.20)

Buy All Three Marking Gages and Save \$50!

MARKING GAGE SET
 1111-005 \$449.00 (CLUB \$425.00)

Custom Engraving: MG-3: 6 characters; the MG-2 & PG-24 cannot be personalized.



BOTH MARKING GAGES SCRIBE A PRECISE AND EVEN LINE WITH KNIFE-QUALITY MARKS.



THE MG-2 IS GREAT FOR PARALLEL LAYOUT WORK WHEN MAKING MORTISE AND TENONS.



THE MG-2 WILL ALSO HOLD A STANDARD PENCIL FOR PANEL WORK WHEN YOU DON'T WANT A PERMANENT MARK.



THE PG-24 USES A CIRCULAR KNIFE THAT WILL NOT NEED TO BE SHARPENED IN YOUR LIFETIME! YOU SPEND YOUR TIME PRODUCING, NOT MAINTAINING.



THE COLLET ON THE PG-24 WILL SECURELY HOLD A PENCIL FOR THOSE APPLICATIONS WHERE A SCRIBE LINE IS TO BE AVOIDED. USE THIS FEATURE FOR STRAIGHT LINES OR CIRCLES.



SCRIBING ARCS AND CIRCLES UP TO 48" IN DIAMETER IS EASY WITH THE PG-24. HERE WE USED THE PG-24 TO DETERMINE THE CENTER OF THE BOARD AND FOR THE CURVE AT THE END. NO OTHER TOOLS WERE USED!

ANGLE MASTER

This amazing new tool provides accuracy never before seen in a woodshop. Here's the story of our new **AM-1 ANGLE MASTER**—and how you can use it to make things you haven't dreamed of yet! Protractors, including our own **BP-18 BEVEL PROTRACTOR**, rely upon predetermined markings to help you layout or determine angles. The difficulty with this methodology is accurately reading the small graduations. Fractional degrees are limited by the size of the protractor arc. If the arc is too small, the graduations are nothing more than generalities, and impossible to read. If the arc is large enough to be of significance, the tool becomes cost prohibitive. The **AM-1 ANGLE MASTER** is not limited by these considerations because it is a device that relies upon trigonometry for its "soul".



The **AM-1** allows you to set angles in *five hundredths* of a degree increments. Simply use a ruler (fig. 1), beam compass or trammel (fig. 2) and set the two index pins to a measurement from the supplied guide. No measurement is finer than $\frac{1}{16}$ ", or 1-mm, whichever measuring system you prefer! Mathematically, the accuracy of this concept allows for angles with a maximum linear

error of .0008" over six inches (.02-mm) and so easy to achieve that you now have the ability to do things you could not do before! This is one of the hallmarks of a great tool, your capabilities have expanded.

"I have made more money with this tool cutting compound miters than any other tool I own...."

The **AM-1 ANGLE MASTER** is precision CNC milled aluminum and is designed to be used in conjunction with the included *Reference Guide* that contains all angle settings from 90 degrees through 12 degrees, by 5 one-hundredths of a degree. That's 1,560 angles, mathematically accurate to no more than .0008" linear runout over 6". Settings are available in either imperial or metric measurement systems. WOW!

In addition, there are an additional 1,560 settings if you choose to set your angles with a pair of digital or dial calipers (fig. 4). Angle setting has never been easier. Finally, there are 1,560 choices for determining an unknown angle. It is truly a peerless tool that will perform flawlessly time and time again.

AM-1 ANGLE MASTER (DELTA, POWERMATIC OR CLONE)	
1102-092	\$179.00 (CLUB \$161.10)
AM-1 ANGLE MASTER (SEARS)	
1102-093	\$179.00 (CLUB \$161.10)
AM-1 ANGLE MASTER (SHOPSMITH)	
1102-094	\$179.00 (CLUB \$161.10)
AM-1 ANGLE MASTER (INCA)	
1102-095	\$179.00 (CLUB \$161.10)

Important Note: (Please specify the model for your table saw miter gage size.)

Custom Engraving: 6 characters.

HERE ARE 3,060 COMPOUND MITER SETTINGS!

The *Woodworker's Guide to Compound Miters* is a definitive reference containing all the miter gage settings and saw blade tilt angles for table and radial arm saws. It is amazingly thorough and allows you to make compound angled projects from three to thirty-six sides. Note: This guide is useless without an accurate tool to set fractional degrees. Combined with the **AM-1 ANGLE MASTER** you have a knockout combination. It is possible to make complex joinery without filler and you can do it easily. Don't hesitate, put this tool to work and you will expand your capabilities overnight!

WOODWORKER'S GUIDE TO COMPOUND MITERS	
4405-002	\$5.00 (CLUB \$4.50)

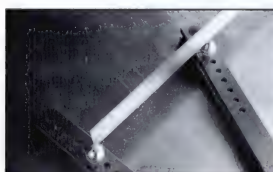


FIGURE 1. ANY ANGLE CAN BE SET WITH A STANDARD 24" BENCH RULE THAT READS TO $\frac{1}{16}$ " TH'S OR 1-MM.



FIGURE 2. SETTING ANGLES WITH A TRAMMEL OR COMPASS IS A SNAP AND IS REALLY EASY WITH THE BRIDGE CITY GRADUATED TRAMMEL BAR.



FIGURE 3. TRANSFERRING AN ANGLE TO A T-BEVEL IS THE PREFERRED METHOD FOR SETTING SAW BLADE ANGLES.



FIGURE 4. THE **AM-1 ANGLE MASTER** IS REALLY EASY TO USE WITH A PAIR OF DIGITAL CALIPERS. THIS QUICK CALIPER SETTING DETERMINED 53.55° IN A MATTER OF SECONDS.

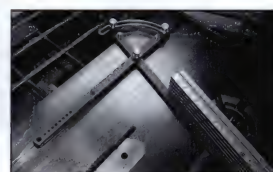


FIGURE 5. SETTING TABLE SAW MITER GAGES HAS NEVER BEEN EASIER. THE **AM-1 ANGLE MASTER** FITS PERFECTLY IN ALL POPULAR TABLE SAWS.

BEVEL PROTRACTOR

The BP-18 BEVEL PROTRACTOR is made of satin chromed, hardened steel (Rc 54) which is photochemically etched and black filled to provide an accurate, easy read. Its scale reads directly to one half degrees and can easily be extrapolated to one quarter degree increments. The BP-18 BEVEL PROTRACTOR uses an eighteen inch pivot arm that contains a hairline cursor (beveled to avoid parallax errors) to set precise angles, and is factory calibrated to a perfect 90° setting.

The large scale of the arc is almost eight inches in diameter. The indicator locks at the point of pivot, but also has a secondary locking mechanism for total stability of your settings. The 18" arm will allow you to layout many of your angles directly, without the need to transfer to another bevel. *This saves you time, improves your accuracy and is particularly useful in setting up table saw miter gages!*

Three sets of scale angles offer flexible use for reading from left to right, right to left or from center. The **top scale** (marked "T") reads 180° on the left and progresses to 0° on the right. The **center scale** (marked "C") is just the opposite. The **bottom scale** (marked "B") starts with 0° at the top of the scale and reads to 90° going both left and right. *This bottom scale is the one most frequently used by woodworkers.*

There are "quick set" markings for five and ten degree increments. As well as, "quick set" icons for making three, four, five, six and eight-sided miter projects. This is terrific for box making, segmented bowl construction or picture framing. Other handy "quick set" icons include: 6:1 and 8:1 dovetail angles; the most common dovetail router bit profile (14°) as well as a host of slope settings.

Useful shop formulas are etched on the reverse side of the BP-18 BEVEL PROTRACTOR plate. The front plate has adjacent measuring scales across the top and left edges. The top scale reads right to left by sixteenths and is very useful for setting up machine

fences. The left scale, which reads left to right by twentieths can also be quite handy. These two scales can be used together to obtain ratio settings. For example, to make a dovetail profile that is 7:1, simply set your T-bevel on the 1" mark on one scale and the 7" mark on the other! It's easy, fast and accurate! The BP-18 BEVEL PROTRACTOR will elevate your woodworking skills to another plane. Every shop will benefit from this incredibly useful tool.

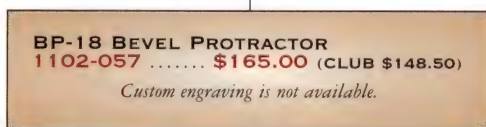
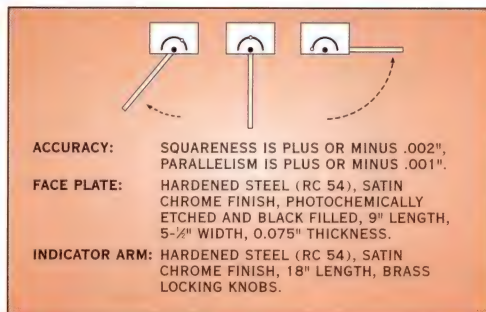
We recommend the *Woodworker's Guide to Compound Miter* book (see page 12) to be used in conjunction with the BP-18. This complete guide covers all of the blade tilt and feed tilt angles for constructing compound angles on three to thirty-six sided vessels or frames.

WHICH OF OUR PROTRACTORS IS RIGHT FOR YOU?

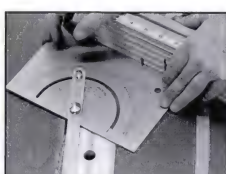
We make three angle reading devices and choosing may be difficult. Use this simple guide to help.

1. If you are making compound miters or other difficult joints where accuracy is paramount, we recommend the **AM-1 ANGLE MASTER** (page 12). We do not make a more accurate angle reading tool.
2. If you are doing a lot of layout and prefer a traditional protractor, we recommend the **BP-18 BEVEL PROTRACTOR**. This tool is easy to read but less accurate than the AM-1 or the MP-8.
3. If you are looking for a versatile protractor that combines accuracy with speed, we recommend the **MP-8 MACHINE PROTRACTOR** (page 34). With the vernier, this is our second most accurate protractor, the least expensive, and the most versatile of the three tools.

Another way of making an informed buying decision is to look at which tool you would use the most if you owned all three of our tools. In this example, the answer is simple, we use the MP-8 for just about everything except compound miters.



SET ANY OBTUSE OR ACUTE ANGLE, OR...



DIRECT SET A TABLE SAW MITER GAGE OR RADIAL ARM SAW TO AN ACCURATE ANGLE, OR...



SET A MACHINE FENCE WITH THE RIGHT TO LEFT MEASURING SCALE, OR...



PERFECT FOR SETTING THE AS-24 ADJUSTABLE ANGLE SQUARE, OR...



USE ADJACENT MEASURING SCALES TOGETHER TO SET ANGLE RATIOS (I.E., 7:1 DOVETAIL PROFILE), OR...



USE "QUICK SET" ICONS TO MAKE THREE, FOUR, FIVE, SIX AND EIGHT-SIDED MITERED PROJECTS.

PLUMB BOB

I have always wanted a classic plumb bob for my shop but have found commercial versions a bit bland and too crudely made for such a timeless and deserving tool. I hope you agree—our

PB-9 PLUMB BOB is the most beautiful and useful plumb bob available today. There are several interesting features to our **PB-9 PLUMB BOB**. Weighing 9.3 ounces, the **PB-9** is the perfect size plummet for general purpose work. But it is a whole lot more.... Our plummet features a removable, stainless steel tip. Because plummets occasionally “plummet”, it’s comforting to know you can easily replace the point.

*Here's a
plumb bob
design you
won't forget.*

There are two features that make this tool extraordinary in comparison to others. First, this is actually two plumb bobs in one.

And second is the unique spool base in which the plumb bob comes to rest. To create the second plummet, simply unscrew the top “ball” and the point from the body and fasten them together. You now

have a small, 1 ounce plumb bob for indoor use! No other plummet gives you this flexibility. Both are stunning works of art and perform flawlessly. Our knurled brass spool is an elegantly simple design that easily fits your thumb or forefinger allowing you to control the length of cord extended. The cord is a tough braided polyester fiber, .019" thick.

Storing a plumb bob is one of the most awkward assignments in your shop. We solved this dilemma by designing a rosewood stand that proudly displays the plummet and safely stores the spool and cord away from dust and grime. This tool looks just as at home on a desk or shelf as it does in your shop. It is truly an outstanding design solution.

The **PB-9 PLUMB BOB** is an elegant looking tool. It makes such a strong statement as a gift that you ought to consider offering this beautiful plumb bob to your friends, family or clients. The **PB-9** is a gift nobody will forget!



THE PB-9 IS ACTUALLY TWO PLUMB BOBS IN ONE. OUR BEAUTIFUL ROSEWOOD BASE PROUDLY DISPLAYS THE PLUMMET AND SAFELY STORES THE SPOOL AND CORD AWAY FROM DUST AND GRIME.



THE KNURLED BRASS SPOOL PROVIDES A FIRM GRIP FOR CONTROL AS THE CORD EASILY LOWERS THE PLUMB BOB.



THE SPOOL STORES SAFELY AWAY IN THE BASE. THE SPOOL CAP SERVES TO HOLD THE PLUMB BOB SECURELY IN THE BASE AS WELL AS SERVING AS A SIGHTING TARGET.

PB-9 PLUMB BOB
INCLUDES STAND, SPOOL, AND CORD
1101-070..... \$98.00 (CLUB \$88.20)
PB-9 MINI PLUMB BOB
INCLUDES THE TOP BALL, STEEL TIP, SPOOL, AND CORD
1102-073..... \$35.00 (CLUB \$31.50)
ADDITIONAL STAINLESS STEEL TIP
1001-070-3..... \$9.00 (CLUB \$8.10)
ADDITIONAL KNURLED BRASS SPOOL
1001-070-5..... \$15.00 (CLUB \$13.50)
ADDITIONAL 21' OF BLACK CORD
1001-070-7..... \$3.50 (CLUB \$3.15)

Custom Engraving: 10 characters.

PRECISION BENCH LEVEL

The BL-9 PRECISION BENCH LEVEL works in plumb, level and 45 degrees, and is accurate to within .001" of the sole—unheard of accuracy in a small level!

From a solid, four-pound piece of 360 brass alloy, our toolmakers have fashioned a level housing that negates the traditional problems of warpage in a wood-bodied level. Precision that will be appreciated by your children's children.

"This tool is one of the most stunning tools I own. Please don't compromise your quality, as I am hopelessly addicted to your products...."

The precision vials have a tolerance of 300 seconds on a 2mm scale ± 30 seconds.

Soda-lime glass windows, buffered and sealed on each side by "O" rings, protect the plumb and 45 degree vials from typical shop hostilities.

The top vial, which reads level, is adjustable. The plumb vial and the 45 degree vial never need adjusting. The sole of the BL-9 PRECISION BENCH LEVEL has a recess cut out to facilitate leveling pipes and non-flat work.

APPLICATIONS

Your woodworking machines are designed to be run on a level plane; it makes a big difference in their longevity. And your workbench surface is much more pleasant to work on when your tools are not rolling to the floor. Pendulum clocks can benefit from a level setting, as well as stationary appliances. The installation of cabinets, wall hangings, paintings, and interior finish carpentry are just the tip of the iceberg for your new BL-9 PRECISION BENCH LEVEL.

THE PRECISION GLASS TUBE HAS BEEN INTERNALLY GROUND TO CREATE A VERY PRECISE ARC.



THE TOP VIAL ADJUSTS TO LEVEL WITH THE TURN OF A SCREW.

The BL-9 PRECISION BENCH level is approximately 9" long, two inches tall and $\frac{3}{4}$ " from front to back. It is accurate, easy to read, and one of the most beautiful tools we have created.

A NOTE ABOUT BUBBLE VIALS

In order to create an accurate level vial, there must be some way of "trapping" the bubble in the center of the vial. This allows the user to determine minute changes in level without the bubble riding off to one end.

Accurate antique levels employed a curved glass vial for this purpose. Straight plastic tube, although unbreakable, is the least accurate and least expensive vial found today.

Precision vials today are made from straight glass tube that is internally ground to create a very precise arc, known as a barrel radius. Think of the barrel radius in a vial as a bubble "speed bump."

"Spirit levels" are so named because of the low viscosity of many anhydrous liquids, such as ether alcohol, which are used. The addition of color increases the viscosity and contributes additional friction that the bubble must overcome. Consequently, the most accurate vials use clear ether alcohol for the bubble "high-

way". This process is painstakingly done by hand. The finished effort is a vial with a tolerance of 300 seconds on a 2mm scale ± 30 seconds.



ACCURACY: PLUMB AND 45° VIALS, PLUS OR MINUS 0.001" OF THE SOLE.
BODY: SOLID 360 ALLOY, HALF-HARD BRASS, ROSEWOOD INFILL, 8- $\frac{1}{4}$ " LENGTH, 1- $\frac{1}{4}$ " HEIGHT, $\frac{3}{4}$ " DEPTH.
BUBBLE VIALS: GLASS, BARREL RADIUS, CLEAR ETHER ALCOHOL SPIRIT, TOLERANCE OF 300 SECONDS ON A 2M SCALE ± 30 SECONDS.
WINDOWS: SODA-LIME GLASS, SEALED WITH "O" RINGS.

BL-9 PRECISION BENCH LEVEL
1101-059 \$189.00 (CLUB \$170.10)

Custom Engraving: 30 characters.

IS YOUR LEVEL LEVEL?

TO PERIODICALLY CHECK THE ACCURACY OF THE TOP VIAL TO THE SOLE, FOLLOW THIS SIMPLE PROCESS.

- SET THE TOOL ON A RELATIVELY LEVEL, STABLE AND FLAT SURFACE.
- NOTE THE BUBBLE READING.
- ROTATE THE TOOL 180 DEGREES AND NOTE THAT READING.
- IF YOUR TOOL IS ACCURATELY ADJUSTED, THE READINGS WILL BE THE SAME.
- IF NOT, ADJUST ONE OF THE SOCKET HEAD SCREWS WITH A HEX KEY.

SCROLL SAW SQUARE

Scroll Saw Owners: This is the Small Bridge City Square You Have Been Looking For!



Setting a scroll saw to cut square is a chancy proposition (until now). This beautiful solid brass square will fit in the throat of any scroll saw and other confined corners. Ninety degree leg is 1.85". Works great for 45 degrees too. Really shines for all small scale work. Accurate to within .001", all angles. Lifetime warranty.

SS-1 SCROLL SAW SQUARE
1102-084 \$19.95 (CLUB \$17.96)

Custom engraving is not available.

"The finest small square made anywhere."



TS-1

"The perfect sized square for drawer making."



TS-1.5

"There's not a more accurate square in my shop."



TS-2

Buy all three and SAVE over \$12.00!
FIXED BLADE TRY SQUARE SET
1111-001.....\$202.85 (CLUB \$182.55)

FIXED BLADE TRY SQUARES

TS-1 JOINTMAKER'S TRY SQUARE

Whether you're checking a drawer for square or the accuracy of your table saw blade, the TS-1 JOINTMAKER'S TRY SQUARE is the perfect small square for the job. It measures 5" from heel to toe and fits in your apron pocket! It is a perfect companion square to the TS-2. The TS-1 JOINTMAKER'S TRY SQUARE is always a favorite gift for that special woodworker or friend.

TS-1 JOINTMAKER'S TRY SQUARE
1101-002.....\$68.00 (CLUB \$61.20)

Custom Engraving: 30 characters.

TS-1.5 MID-SIZED TRY SQUARE

Matching a square to the job is an important aspect of craftsmanship. The TS-1.5 MID-SIZED TRY SQUARE is the "middle brother" of our squares. With a blade length of 6-1/2" from heel to toe, it is sized exactly between the TS-1 and the TS-2. Consequently it is appreciated by those who do box work or make case goods and drawers.

TS-1.5 MID-SIZED TRY SQUARE
1101-052.....\$72.00 (CLUB \$64.80)

Custom Engraving: 30 characters.

TS-2 MASTER TRY SQUARE

Since 1976, this square has been cherished by craftsmen and collectors alike and is the benchmark of the hand tool industry. The TS-2 MASTER TRY SQUARE is the largest of our family of fixed blade squares (8" from heel to toe) and the most popular size with our customers. It is the square you will most often reach for when working with full-sized material.

TS-2 MASTER TRY SQUARE
1101-001.....\$75.00 (CLUB \$67.50)

Custom Engraving: 30 characters.

ACCURACY: 90 DEGREES, PLUS OR MINUS .002" OVER THE BLADE LENGTH, INSIDE AND OUTSIDE.

HANDLE: SOLID ROSEWOOD, FACED ON BOTH SIDES WITH 360 ALLOY HALF-HARD BRASS WEAR PLATES, RIVETS ARE ANCHORED IN SOLID BRASS SEATS, BOTH SIDES.

BLADE: 360 ALLOY, HALF-HARD BRASS. BLADE DIMENSIONS ARE AS FOLLOW:

TOOL	BLADE LENGTH	WIDTH	THICKNESS
TS-1	5" (HEEL TO TOE)	1.00"	.094"
TS-1.5	6.50" (HEEL TO TOE)	1.25"	.125"
TS-2	8" (HEEL TO TOE)	1.50"	.125"

ZERO GLARE POCKET & BENCH RULES

Our BR-6 POCKET RULE is one of the most popular tools in our history. Now available in a new 12" length, you'll find the same unbelievable readability on all six rules! Includes the following graduations: left to right 32nds, left to right 16ths, right to left 16ths, millimeters, centering rule, offset rule. In addition to the ease of use, each BR-6 and BR-12 comes with a solid brass hook which allows you to read dead accurate length measurements from the end of your stock without any hassles.

BR-6 ZERO GLARE 6" POCKET RULE
1101-124.....\$14.95 (CLUB \$13.46)
BR-12 ZERO GLARE 12" BENCH RULE
1101-137.....\$19.95 (CLUB \$17.96)

Custom engraving is not available.



BR-6



BR-12



MITER SQUARES

MS-1 JOINTMAKER'S MITER SQUARE

The MS-1 JOINTMAKER'S MITER SQUARE is designed for intricate miter work. The blade is 6- $\frac{3}{4}$ " long. It is perfect for small-scale work and is ideal for face frame or edge miters. The MS-1, like its little cousin the TS-1 JOINTMAKER'S TRY SQUARE, fits in your apron pocket. Makes a great gift or starter tool for any woodworker.

MS-1 JOINTMAKER'S MITER SQUARE
1101-005 **\$72.00** (CLUB \$64.80)
Custom Engraving: 24 characters.

"I finally am able to make miter joints without filler!"



MS-1

MS-1.5 MID-SIZED MITER SQUARE

If the MS-2 is too big and the MS-1 too small, the MS-1.5 MID-SIZED MITER SQUARE is for you. This is also a great companion square to the TS-1.5 MID-SIZED TRY SQUARE. With an 8- $\frac{1}{4}$ " blade length, this is not a common size tool and therefore has become quite popular in the marketplace. For "gap free" miters, try this square on for size.

MS-1.5 MID-SIZED MITER SQUARE
1101-053 **\$78.00** (CLUB \$70.20)
Custom Engraving: 30 characters.

"This tool is the perfect size for picture frame making."



MS-1.5

MS-2 MASTER MITER SQUARE

The MS-2 MASTER MITER SQUARE is the largest of our family of miter squares and our most popular size. With a substantial 9- $\frac{1}{2}$ " blade length, it is as inviting to hold as it is to use. Every shop needs an accurate reference for 45 degrees and you simply cannot go wrong with this one.

MS-2 MASTER MITER SQUARE
1101-006 **\$83.00** (CLUB \$74.70)
Custom Engraving: 30 characters.

"Anyone who makes mitered frames will save money and time with this tool."



MS-2

MS-3 22- $\frac{1}{2}$ DEGREE MITER SQUARE

If you thought the simple miter joint was tough, try making octagons! Each cut represents a potential error that will be multiplied by 16 when the frame or box is assembled! You simply cannot afford to guess when that many sides are involved. The MS-3 22- $\frac{1}{2}$ DEGREE MITER SQUARE has a blade length of 7- $\frac{1}{4}$ ". It is perfect for all octagonal work and other uses which include inlayed floors, frames, planter boxes, etc. A unique and great addition to any wood shop.

MS-3 22- $\frac{1}{2}$ DEGREE MITER SQUARE
1101-056 **\$75.00** (CLUB \$67.50)
Custom Engraving: 30 characters.

"I never knew you could buy a square set to 22- $\frac{1}{2}$ degrees. Thank you, thank you, thank you!"



MS-3

ACCURACY: PLUS OR MINUS .002" OVER THE BLADE LENGTH, BOTH SIDES.

HANDLE: SOLID ROSEWOOD, FACED ON BOTH SIDES WITH 360 ALLOY BRASS WEAR PLATES, SOLID BRASS INLAY RIVET SEAT, BOTH FACES.

BLADE: 360 ALLOY, HALF-HARD TEMPERED BRASS. BLADE DIMENSIONS ARE AS FOLLOW:

TOOL	DEGREE	LENGTH	WIDTH	THICKNESS
MS-1	45°	6.25"	1.00"	.094"
MS-1.5	45°	8.25"	1.25"	.125"
MS-2	45°	9.50"	1.50"	.125"
MS-3	22.5°	7.25"	1.25"	.125"

Buy all four and save \$19.00!

MITER SQUARE SET
1111-002 **\$289.00** (CLUB \$260.10)

"ZERO-GLARE" MEASUREMENT SYSTEM

"MATER ARTIUM NECESSITAS"

You work hard. The mortgage payment is no longer intimidating. Both cars have electric windows. The teenagers are doing well in school, and in their eyes...you're a loser. Go figure.... Thank goodness for the sanctuary of the shop.

I just love getting older, there is still much to ponder. However, one of the forfeitures we make crossing the threshold of middle age is our eyesight. It's one thing to struggle reading the newspaper and another to ruin a clear piece of walnut because you couldn't correctly read a ruler. I will ride out the next few years with my kids and perhaps I will recover my intelligence, but I hold no such hope for my over-40 vision. Trashing wood is not what I need to finish my day—necessity truly is the mother of invention.

PLEASE MEET THE "MOTHER OF ALL RULERS!"

We are pleased to introduce to you the most amazing ruler on the market today. From the toolmakers at Bridge City Tool Works, please meet the RS-18 "ZERO GLARE" ruler system.

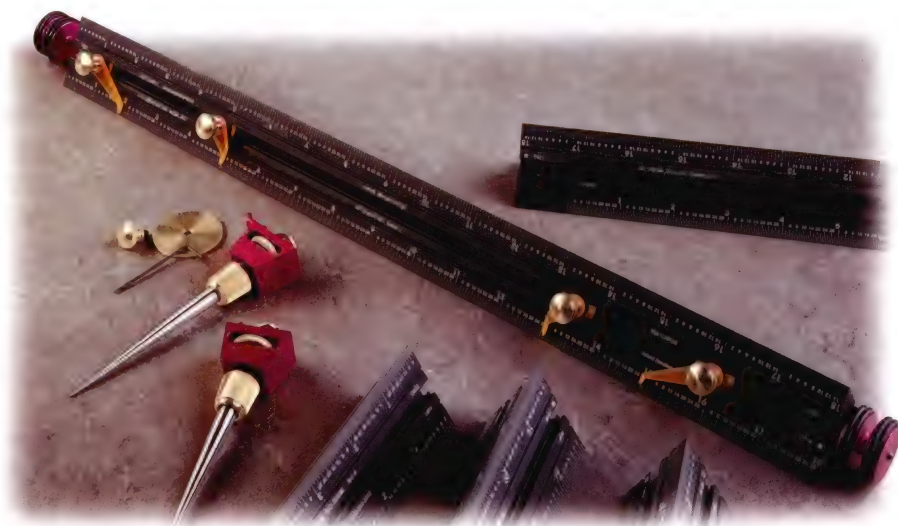
Introducing the World's Finest Ruler System

Often a 12" bench rule is too short, and conversely, 24" bench rules too long. We settled on an 18" compromise that is sure to win a spot on your workbench. Expandable to 108", this is the precision rule you

have been marching towards as the days, months and years get shorter and your patience for mediocrity wanes.

THE RS-18 IS "ZERO GLARE"

Precisely extruded from hardened aluminum, the triangular cross-section of the RS-18 ruler is reminiscent of an architect's scale. The proprietary techniques we apply create a finish that is extremely durable, washable, and soaks up light like nothing you have ever seen. You can hold the RS-18 to within an inch of a 75-watt halogen light and not be bothered by glare. This is truly a **ZERO GLARE** rule and it is a pure thrill to use in the shop. We invite you to try this test: Set the RS-18 on your workbench next



to your favorite stainless steel or satin chrome rule, propped at the same angle as the RS-18. Step back five feet and compare the graduations. You will be completely shocked as to the results.

THE SIX RULES YOU NEED ARE ALL ON THE RS-18!

All graduations on the RS-18 are permanently etched and are significantly easier to read than any rule we have seen or produced. They will not come off and are impervious to solvents. Here are the rules included on the RS-18:

1. 32NDS READING LEFT TO RIGHT
2. 16THS READING LEFT TO RIGHT
3. MILLIMETERS AND 32MM READING LEFT TO RIGHT
4. 32NDS CENTER FINDING RULE
5. 16THS READING RIGHT TO LEFT
6. 32NDS OFFSET/BEAM COMPASS RULE READING RIGHT TO LEFT

One of the major benefits of a triangular rule is the ability to read the rule as it sits in front of you. You no longer have to lean directly over the rule to do accurate work. In addition, all the rules are reversible. For example, if you are trying to set your table saw fence exactly 13- $\frac{1}{2}$ " from the blade, no problem. The 32nds left to right rule reads right to left for this application. We sincerely doubt you will encounter a measuring task where the RS-18 will not outperform any rule you have ever used!

The millimeter rule (fig. 2) is a unique rule with extraordinary artwork with 32mm splits indicated. This is a very useful rule for this growing measurement system.

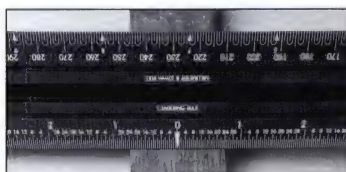


FIGURE 1. FINDING CENTERS IS EASY WITH THE CENTER FINDING RULE.



FIGURE 2. METRIC MEASUREMENTS WITH 32MM SPLITS ARE ATTRACTIVELY PRESENTED ON ONE EDGE.



FIGURE 3. THE RS-18 IS EXPANDABLE. HERE IS THE FINEST AND MOST VERSATILE 54" RULER IN THE WORLD.

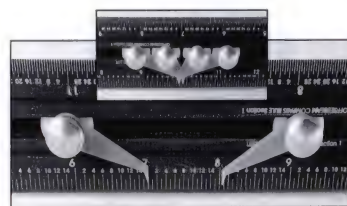


FIGURE 4. THE UNIQUE DESIGN OF THE INDICATOR FINGERS ALLOW FOR STORYBOARD MEASUREMENTS AS FINE AS $\frac{1}{16}$ TH OF AN INCH. FOUR OF THEM CAN BE GROUPED TO READ WITHIN AN $\frac{1}{4}$ TH OF AN INCH IF NECESSARY.

THE RS-18 IS E-X-P-A-N-D-A-B-L-E!

When you need added capacity, simply attach section two. A few turns with a hex key wrench and you now have a 36" rule. All graduations are continued in sequence, and it is extremely rigid and accurate. Attaching section three (fig. 3) creates a 54" rule, plenty long to span the center width of 4' x 8' sheet goods.

THE RS-18 AS A STORYBOARD

Simply slide on one or more florescent orange indicators (fig. 4) and you can "note" any and all important measurements for repeatability or future reference. This feature is very exciting. From the layout of dovetails to the complete transference of features from an existing piece, you will be amazed at the ease you can work without actually measuring anything! These highly visible indicators will glide effortlessly along the entire length of the rule, including multiple sections while joined together.

THE RS-18 AS A TRAMMEL BEAM

It is easy to slide on the RS-18 trammel heads (fig. 5) and begin your arc and circle needs. Use the special offset/beam compass rule and you can index the trammel to the rule, making for extremely accurate arcs and circles. It doesn't get any better than this. And if you desire, the trammels will hold a pencil.

THE RS-18 AS A HOOK RULE

It takes about five seconds to attach the "hook" to the end (fig. 6) of the RS-18 body. Exact length or width measurements have never been easier or more accurate. This works great in conjunction with the storyboard indicators.

THE RS-18 AS A ROLLING RULER

Slide the axle and wheels in place on section one of the RS-18 and it will effortlessly glide back and forth (fig. 7) allowing you to

easily create parallel lines. It works accurately enough to substitute as a marking gage in many applications where a line is needed parallel to an edge or another line. The wheels are neoprene and will not mark your work or paper. It is a very handy feature.

THE RS-18 AS AN OFFSET RULER

If you were taught to never use the end of a ruler, to begin all measurements with the one-inch mark, you were not given poor advice. Unfortunately, you must remember to subtract the "added inch" from the overall measurement. As a past educator, I cannot begin to count the mistakes this method has caused. The RS-18

has a rule that is offset from the end (fig. 8) of the body. You can now measure with complete accuracy without having to remember rudimentary math.

THE RS-18 IS ACCURATE

We guarantee the RS-18 to meet or exceed all U.S. and British standards for commercial rules. Your trust in our products is the backbone of our business relationship. We believe you will be absolutely thrilled with this new and exciting product!

A WORD FROM THE DESIGNER

I have seen a lot of tools in my day and I have rarely seen a tool that garners more attention than this ruler system. Most people have never seen a ruler without some glare; nobody has seen a ruler with so many features. When you compare the price of individual rulers and consider the combination in this

one remarkable tool, you have a terrific value even without the assorted accessories. I know our hallmark is the exquisite marriage of wood and metal, but this tool exudes the same visual and tactile feel of our other family members with an extraordinary elegant presence. Enjoy!

THE WORLD'S FINEST RULER

KIT INCLUDES: SECTION 1 RULER, ROLLING RULER KIT, STORYBOARD INDICATORS & HOOK RULE

300 \$119.00 (\$107.10)

THE MOTHER OF ALL RULERS

KIT INCLUDES: SECTION 1, SECTION 2, SECTION 3, TRAMMEL HEADS, ROLLING RULER KIT, STORYBOARD INDICATORS & HOOK RULE

301 \$289.00 (\$260.10)

THE ULTIMATE RULER SYSTEM

KIT INCLUDES: SECTION 1, SECTION 2, SECTION 3, SECTION 4, SECTION 5, SECTION 6, TRAMMEL HEADS, ROLLING RULER KIT, STORYBOARD INDICATORS & HOOK RULE

302 \$499.00 (\$449.10)

Individual Prices are as follow:

SECTION ONE

(0-18 INCHES) WITH HOOK RULE

1101-111 \$79.95 (\$71.95)

SECTION TWO

(18-36 INCHES) WITH CONNECTORS

1101-112 \$72.95 (\$65.50)

SECTION THREE

(36-54 INCHES) WITH CONNECTORS

1101-113 \$72.95 (\$65.50)

SECTION FOUR

(54-72 INCHES) WITH CONNECTORS

1101-117 \$72.95 (\$65.50)

SECTION FIVE

(72-90 INCHES) WITH CONNECTORS

1101-118 \$72.95 (\$65.50)

SECTION SIX

(90-108 INCHES) WITH CONNECTORS

1101-119 \$72.95 (\$65.50)

ROLLING RULER KIT

WORKS FOR SECTION 1 ONLY

1101-110 \$24.95 (\$21.95)

SET OF 4 FLORESCENT INDICATORS

1101-114 \$19.95 (\$17.95)

PAIR OF TRAMMEL HEADS WITH SCRIBES

1101-115 \$49.95 (\$44.95)

SINGLE TRAMMEL HEAD

WORKS WITH THE OTHER TWO HEADS FOR DEVELOPING ELLIPSE GEOMETRY.

1101-116 \$25.95 (\$22.95)

Custom engraving is not available.



FIGURE 5. TRAMMEL HEADS ARE EASY TO ATTACH, LOCK DEAD TIGHT AND ARE INDEXABLE TO THE OFFSET/ BEAM COMPASS RULE. YOU CAN USE EITHER SCRIBING POINTS OR A PENCIL IN EITHER HEAD.



FIGURE 6. MEASURING ACCURATELY TO THE END OF STOCK IS PAINLESS WITH THE "HOOK" ATTACHED.



FIGURE 7. PARALLEL LINES ARE A BREEZE WITH THE RS-18 ROLLING RULER ATTACHMENT.

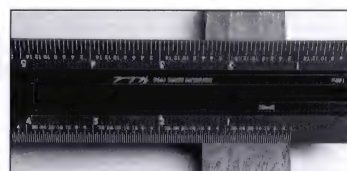


FIGURE 8. THE OFFSET RULE PREVENTS MISTAKES FROM MEASURING FROM THE 1" MARK OF A TRADITIONAL RULER.

REFERENCE AND MEASURING DEVICES

RULES DESIGNED ESPECIALLY FOR WOODWORKERS

These rulers were designed by us to accommodate the majority of measuring tasks encountered in a wood shop. Each rule is made from hardened steel (Rc 54) with photochemically etched graduations and satin chroming for an easy read. This process is expensive, but these rules will keep their grads for a lifetime.

SR-6 POCKET RULE

Your shop apron is not complete without an accurate 6" pocket rule. Our **SR-6 POCKET RULE** is unique in two ways. $\frac{1}{32}$ " graduations cap each end of the English rule; very handy for router work. And the top scale on the English rule will read both left to right and right to left. This feature is great for the many instances when you need to set a machine up and must read your rule from right to left; setting a table saw fence, for example. The **SR-6 POCKET RULE** is our most popular rule, and you will soon recognize it as one of your favorites as well.

SR-6 POCKET RULE (6")

1101-014.....\$9.95 (CLUB \$8.96)

Custom engraving is not available.

SR-12 BENCH RULE

Don't take apart your combination square when you need a bench rule! Not only is it a pain in the neck trying to find the parts from your combination square, but you are accelerating the wear and decreasing the accuracy of that tool by continually borrowing the blade for a ruler. Our **SR-12 BENCH RULE** is a gem of a bench rule, one you'll never let leave your side.

SR-12 BENCH RULE (12")

1101-015.....\$19.00 (CLUB \$17.10)

Custom engraving is not available.

CR-18 CENTERING RULE

Made from a unique steel, this ruler is fully flexible, making it as much a drafting aid as a ruler. Combine this material with centering graduations and you have a tool which saves you time and reduces the chance of error. The **CR-18 CENTERING RULE** completely removes the mathematics from all sorts of centering tasks. It is particularly suited for centering or layout on curved surfaces such as chair backs. It also works great for drawer pulls, and a host of non-shop chores such as photography, weaving, quilting, etc. The **CR-18 CENTERING RULE** is a must for serious craftspeople.

CR-18 CENTERING RULE (18")

1101-016.....\$32.00 (CLUB \$28.80)

Custom engraving is not available.

SR-24 BENCH RULE

This is the long, accurate rule most shops need. One of the biggest mistakes a woodworker can make is to "chain" a series of measurements together from a smaller ruler to layout a long dimension. Not only is this bad practice, it's fertile ground for mistakes. When you need a longer measurement, you need a longer rule. We proudly offer our **SR-24 BENCH RULE** for these occasions. The **SR-24** is a very precise, practical, and necessary tool for accurate large scale-work.

SR-24 BENCH RULE (24")

1101-017.....\$42.00 (CLUB \$37.80)

Custom engraving is not available.

RULES: HARDENED STEEL (ROCKWELL 54), SATIN CHROMED, PHOTOCHEMICALLY ETCHED GRADUATIONS.

TOOL	LENGTH	WIDTH	THICKNESS	ENGLISH GRADS	METRIC GRADS
SR-6	6"	$\frac{3}{8}$ "	.040"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	MM & $\frac{1}{2}$ MM
SR-12	12"	1"	.040"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	MM & $\frac{1}{2}$ MM
CR-18	18"	$\frac{3}{8}$ "	.020"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	MM & $\frac{1}{2}$ MM
SR-24	24"	$\frac{1}{2}$ "	.040"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	MM & $\frac{1}{2}$ MM
SR-36	36"	1- $\frac{1}{8}$ "	.040"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	N/A
SR-1M	1 METER	$\frac{3}{8}$ "	.020"	$\frac{1}{32}$ " & $\frac{1}{16}$ "	MM & $\frac{1}{2}$ MM
SE-24	24"	1- $\frac{1}{8}$ "	.094"	N/A	N/A
BSE-24	24"	1- $\frac{1}{8}$ "	.312	N/A	N/A
BSE-36	36"	1- $\frac{1}{8}$ "	.312	N/A	N/A

SE-24 STRAIGHTNESS: PLUS OR MINUS .002" OVER BLADE LENGTH, BOTH EDGES.

SE-24 PARALLELISM: PLUS OR MINUS .004" OVER BLADE LENGTH.

BSE-24/36 ACCURACY: PLUS OR MINUS .001" PER FOOT.

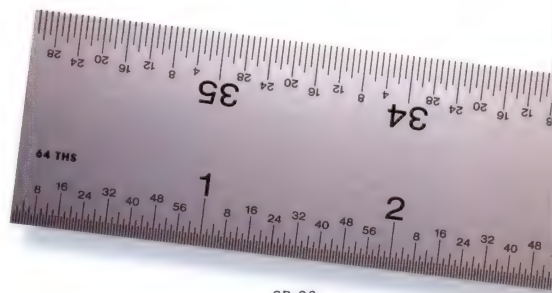
BSE-24/36 PARALLELISM: PLUS OR MINUS .005".

SR-36 BENCH RULE

If you're using a yardstick in your shop you may want to consider upgrading to one of the world's finest 36" rules. This is the rule for designing or laying out large pieces. Also works great in setting up a pair of trammel points. This is our only "all imperial" graduated rule (no metrics).

SR-36 BENCH RULE (36")
1101-049.....\$59.00 (CLUB \$53.10)

Custom engraving is not available.



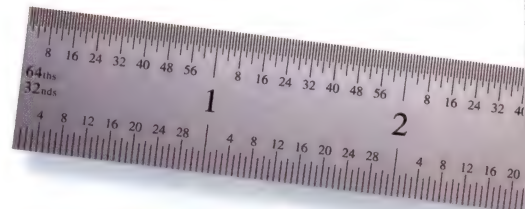
SR-36

SR-1M BENCH RULE

This is a fully flexible, one meter rule with metric graduations on one side and English on the other. This is the rule we use in our PT-1 PRECISION TRAMMEL BAR and have become fond of as a long measuring tool in the shop. Whether you use this rule to make your own trammel bar or as a stand alone full flex rule, it is a winner.

SR-1M BENCH RULE (1 METER)
1101-067.....\$64.00 (CLUB \$57.60)

Custom engraving is not available.



SR-1M

SE-24 PRECISION STRAIGHT EDGE

At last an accurate and affordable reference for flatness designed specifically for woodworkers. The SE-24 PRECISION STRAIGHT EDGE is twenty-four inches of precision ground hardened steel. Its satin chrome plating prevents humidity and the natural acids in your hands from ruining the appearance and eventually the accuracy. The SE-24 is the perfect tool for checking plane soles, sighting wear in machine castings, setting up jointers, spotting the wind in a plank, and a myriad of other uses. This tool is a beautifully made, accurate (plus or minus .002") and dependable resource for the demanding craftsman. Every shop needs one and our SE-24 is an extraordinary buy. This is one of our most popular tools and is highly recommended.

SE-24 PRECISION STRAIGHT EDGE
1101-003.....\$49.00 (CLUB \$44.10)

Custom engraving is not available.



SE-24

New!

FOR 2001—24" AND 36" BEVELED STRAIGHT EDGES!

It can be argued that a good straight edge is the most important tool in the shop. Plane soles, machine castings, planers, jointers and a myriad of other flat surfaces cannot be accurately assessed without an accurate straight edge.

Simply stated, a straight edge needs to be robust enough to stay straight and not sag under its own weight after grinding. This is easy to do with short lengths and gets progressively difficult with longer lengths.

These bevel edged straight edges are $\frac{3}{16}$ " thick, 1- $\frac{1}{2}$ " wide and at the narrowest portion of the bevel, .060" wide. Accuracy is 0.001" per foot and parallelism error is a maximum of $\pm .005$ " over the length of the tool. Finally, each end is drilled for hanging and the tool is plated. The steel is surface hardened from the plating process. We invite you to comparative price our 36" straight edge, this is a remarkable value.

BSE-24 BEVEL STRAIGHT EDGE 24"
1101-147.....\$79.00 (CLUB \$71.10)

BSE-36 BEVEL STRAIGHT EDGE 36"
1101-148.....\$119.00 (CLUB \$107.10)

Custom engraving is not available.

**Save Over \$32.00
on Our Six Piece Ruler Set!**

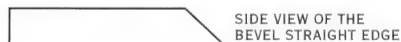
SIX PIECE RULER SET
RULES INCLUDED IN THIS SET: SR-6, SR-12, CR-18,
SR-24, SR-36 & SR-1M
1111-006.....\$193.00 (CLUB \$173.70)

*See page 18 for another innovative option—
the RS-18 "Mother of all Rulers."*



BSE-24 & BSE-36

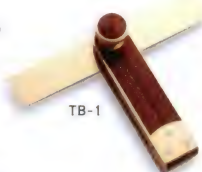
Special Note: If you are a Tool Club member, we have Signature Series versions of these two tools available with a special price. Available in December 2000, please call to place your order.



SIDE VIEW OF THE
BEVEL STRAIGHT EDGE

ADJUSTABLE ANGLE SQUARE AND T-BEVELS

"The craftsmanship in these tools is astounding."



TB-1

The feel of the **TB-1 T-BEVEL** is magnificent. The function is even better. The handle is solid brass and the knob is large enough to enable a good grip. The whole mechanism is dust-proof for years of trouble-free work. The blade is bushed in the handle so there is metal-to-metal contact, and it stays locked where you want it, ensuring the utmost accuracy. The **TB-1** is designed in the tradition of the true T-bevels of yesterday. For fine joinery where an adjustable reference is called for, the **TB-1 T-BEVEL** is the tool.

TB-1 T-BEVEL

1101-009..... **\$81.00** (CLUB \$72.90)

Custom Engraving: 28 characters.

"What a great tool for small scale work!"



TB-2



TB-3

These **SLIDING T-BEVELS** will allow you to transfer an angle from a machine to your stock or do odd angled layouts. The two biggest problems with bevels involve the inability of the blade to lock securely and the locking mechanism, which interferes with the registration of the handle to your work. Neither of these problems occur with our bevels. From a manufacturing standpoint, our bevels are the most complicated tools we make, and once you get one in your hand, you'll see why. All of our hard work makes your work easy!

Each bevel employs a hardened steel (Rockwell 54), satin chromed blade. Our unique friction locking mechanism employs two seated and knurled washers which bear against the blade when the knob is tightened. It stays put until you change it. Every shop needs some sort of device to deal with non-reference angles. The **TB-2** has a blade length of 7" and the **TB-3** blade is 12" in length. In our opinion you won't find a better bevel than the two offered here.

ACCURACY: TB-1, TB-2 & TB-3: BLADE AND HANDLE ARE PARALLEL, PLUS OR MINUS .001".
AS-24: 90 DEGREES, PLUS OR MINUS .006" OVER THE LENGTH OF THE BLADE.

BLADE: **MATERIAL:**
TB-1: 360 ALLOY, HALF-HARD BRASS.
TB-2, TB-3 & AS-24: HARDENED STEEL (ROCKWELL 54), SATIN CHROMED.

DIMENSIONS:
TB-1: 5" LENGTH, 7/8" WIDTH, 3/16" THICKNESS.
TB-2: 7" LENGTH, 7/8" WIDTH, 1/8" THICKNESS.
TB-3: 12" LENGTH, 1-1/8" WIDTH, 1/8" THICKNESS.
AS-24: 24" LENGTH, 1-1/2" WIDTH, .080" THICKNESS.

HANDLE: TB-1, TB-2 & TB-3: SOLID BRASS WITH ROSEWOOD INFILL, BRASS WEAR PLATE, RIVETS ARE ANCHORED IN SOLID BRASS SEATS, BOTH SIDES.
AS-24: JUARA™ WOOD INFILL.

KNOB: TB-1, TB-2 & TB-3: SOLID BRASS, KNURLED WITH ROSEWOOD INFILL.
AS-24: JUARA™ WOOD INFILL.

TB-2 SLIDING T-BEVEL (7")

1101-010..... **\$87.00** (CLUB \$78.30)

TB-3 SLIDING T-BEVEL (12")

1101-046..... **\$98.00** (CLUB \$88.20)

Buy the Pair and Save \$12.00!

SLIDING T-BEVEL SET

1111-004..... **\$173.00** (CLUB \$155.70)

Custom Engraving: TB-2 & TB-3: 3 characters

Without question, the **AS-24 ADJUSTABLE ANGLE SQUARE** is the ultimate large square from our family of tools. There is nothing like it on the market. It features perfect squareness on one side, and with a simple flip of the handle, infinite adjustment over 180 degrees on the other side. The tolerance on the square side is an impressive plus or minus .006" over the length of the 22-1/2" blade. The adjustable side is secured with a beautifully turned and knurled solid brass knob with perfectly crafted Juara™ wood infill. The blade is precision ground, hardened steel with a satin chromed finish to resist rust and to ensure its handsome look for years to come.

The T-handle design allows you to use the tool exactly like a drafting T-square. Flip it over, loosen the knob and you have a full-length, adjustable angle square. Since the fixed 90 degree angle is now on top, this square will automatically plot the complementary angle. Flip it back over and you have your fixed 90 degrees back; the **AS-24** is two squares in one! Framing squares are great for building houses but let's face it—they're lousy bench tools. We guarantee this square to be the most versatile and beautifully made large square available today.

AS-24 ADJUSTABLE ANGLE SQUARE

1102-013..... **\$124.00** (CLUB \$111.60)

Custom engraving is not available.

"Now that I own an AS-24, I have retired my framing square from my shop!"

AS-24

OUR ELEGANT CENTERSCRIBE

In woodworking, particularly furniture making, there are many applications where you need to divide by two or find center. Just the thought of dividing $3\frac{1}{2}$ " in half reminds me of my fourth grade teacher (not a pleasant memory). The CS-1 CENTERSCRIBE removes all mathematical computations for finding or scribing center on square, rectangle, round and curved stock. The CS-1 CENTERSCRIBE is quick, uncomplicated, reliable, and a joy to use. It will allow you to find center and scribe center lines on stock up to $7\frac{3}{8}$ " wide.

*"I'm 61 years old,
have been working in
wood for over 40 years
and thought I had
seen everything.
Your CenterScribe
has been a long time
coming...."*

Want to find center on a $\frac{3}{8}$ " dowel? No problem. Want to find the center of a $6\frac{3}{8}$ " by $4\frac{3}{8}$ " rectangle? No problem. Accuracy is within two thousandths of an inch! It will also allow you to scribe continuous centerlines on tapered stock or scribe lines parallel to curved surfaces. There are no graduations to read or interpolate, and there are no mistakes to be made from erroneous math computations.

The CS-1 CENTERSCRIBE employs a rack and pinion mechanism to move opposing arms in a synchronous motion around a fixed scribing point. Simply put, when one arm moves, the other moves exactly the same amount in the opposite direction. This simple idea completely removes the possibility of mathematical errors in your work. The end result is dead-on center that you can trust, in seconds! This enables you to determine center on drawer fronts (for pulls), determine the centerline for hinge screws, determine the centerline for doweling or plate joiners, determine the pivot point for spindle turning, scribe a line for resawing work, or a myriad of other useful applications.



YOU CAN USE YOUR CS-1 CENTERSCRIBE TO SCRIBE PERFECT, CONTINUOUS CENTERLINES ON STRAIGHT OR TAPERED STOCK.



PERFECTLY PARALLEL LINES ARE EASILY SCRIBED ON EITHER CONCAVE OR CONVEX CURVES.



THERE IS NOT A FASTER OR MORE ACCURATE WAY OF LOCATING CENTER ON ROUND OR SQUARE STOCK.



ACCURACY:	PLUS OR MINUS .002".
BODY:	SOLID 360 ALLOY, HALF-HARD BRASS, SOLID JUARA™ WOOD.
RAILS:	JUARA™ WOOD WITH SOLID 360 ALLOY, HALF-HARD BRASS END CAPS, BRASS GEARS.
TRAVELER:	SOLID 360 ALLOY, HALF-HARD BRASS, RACK AND PINION MECHANISM.
SCRIBE POINTS:	PRECISION GROUND, HARDENED STEEL.
GUIDE BUTTONS:	SOLID 360 ALLOY, HALF-HARD BRASS.
KNOB:	SOLID BRASS, KNURLED WITH JUARA™ WOOD INFILL.

FUNCTIONS INCLUDE:

- SCRIBING A CENTERLINE ON STOCK UP TO $7\frac{3}{8}$ " WIDE
- SCRIBING A PARALLEL LINE ON STRAIGHT EDGES UP TO $3\frac{3}{8}$ " FROM THE EDGE (A MARKING GAGE WILL ALSO DO THIS)
- SCRIBING A PARALLEL LINE ON CURVED EDGES UP TO $3\frac{3}{8}$ " FROM THE EDGE (A MARKING GAGE WON'T DO THIS ACCURATELY)
- LOCATING DEAD CENTER ON THE END OF SQUARE STOCK UP TO $5\frac{1}{8}$ " SQUARE (NO TOOL WILL DO THIS AS QUICKLY)
- LOCATING DEAD CENTER ON THE END OF ROUND STOCK UP TO $7\frac{3}{8}$ " DIAMETER (NO OTHER TOOL WILL DO THIS ACCURATELY)
- LOCATING CENTER OR SCRIBING A CENTERLINE ON TAPERED STOCK ACCURATELY AND QUICKLY
- SCRIBING A CONTINUOUS CENTERLINE DOWN THE LENGTH OF ROUND STOCK, AND MUCH MORE.

This tool quickly becomes indispensable. The CS-1 CENTERSCRIBE is an elegant, simple and welcome addition to any shop.

CS-1 CENTERSCRIBE
1102-051 \$195.00 (CLUB \$175.50)

Custom Engraving: 18 characters.

OUR REVOLUTIONARY SPIDER DIVIDER

The SD-6 SPIDER DIVIDER is a revolutionary layout device that can make your time in the shop as productive as you have always dreamed.

Mathematically, the SD-6 SPIDER DIVIDER is a base six sectional divider with an additional leg to use as an outside caliper. This means you can divide your work by sixths, fifths, fourths, thirds or halves as well as tenths, ninths, and eighths, instantly. For example, to find tenths of a length, first find center (fig. 5) and then divide each half into fifths. It takes seconds, and there is absolutely no mathematics involved for your brain to trip over. Or, use it as a measuring stick to determine interior dimensions up to 32" in length.

Made from black anodized aluminum, precision milled on computer milling equipment, the SD-6 SPIDER DIVIDER is an exciting addition to any shop. The effective capacity of the SD-6 SPIDER DIVIDER is 4" thru 27". The measuring capacity of the SD-6 SPIDER DIVIDER as an outside caliper is 32".

The SD-6 SPIDER DIVIDER is a terrific tool, guaranteed for life and is certainly destined to become one of your most popular tools.

Take a look at a couple scenarios and real life examples when we field tested SD-6 SPIDER DIVIDER:

Q: You've got a board 11-1/2" long by 3-3/8" wide. You need five equally spaced holes along the length, down the centerline of the width. How long will it take you to layout the five cross hairs for drilling?

A: The SD-6 SPIDER DIVIDER found the centerline and the five divisions in less than 11 seconds! A marking gage and a square



were used to make the cross hairs. Total elapsed time: a whopping 29 seconds, and it was dead accurate!

Q: You just pulled the clamps off of a cabinet and have discovered the center divider is slightly off center. This means the shelves on each side are going to be unequal lengths. What method would you use to determine interior dimensions, front and back for your shelf lengths?

A: The SD-6 SPIDER DIVIDER determined the interior dimensions of the shelf cavity in less than five seconds (fig. 2). We also checked the interior measurement at the back of the cabinet (with the back on) in 7 seconds. The smaller measurement of the two determined the shelf width. The SD-6 SPIDER DIVIDER was locked, and the distance was transferred directly to the table saw fence (fig. 3). Sawdust was flying in less than one minute! Never once was a pencil or tape measure used.

Q: Your skills are right where you want them and you are now ready to make that heirloom silver chest for your daughter's wedding present. Nothing but the best, so hand dovetails are a given. Should you use eleven, twelve, thirteen or fourteen pins?

A: The SD-6 SPIDER DIVIDER really shines when assisting you to make inter-

pretive decisions. There is no right answer here, but we looked at all the options in less than 2 minutes. This is a terrific tool for hand dovetails, and really shines with the adjustable dovetail jigs on the market (fig. 4).

Q: Your wife wants a bookshelf for the family room. You just went to the furniture store and measured bookshelves. The adjustable holes are on metric centers which you refuse to understand, but they appear to be approximately 1-3/8" on center. How will the SD-6 SPIDER DIVIDER help in this project?

A: This is an easy one. Anytime you want repetitive distances, set the SD-6 SPIDER DIVIDER accordingly and mark away. If your distance is greater than the capacity between any two fingers, skip a finger (or two...) and slide the tool down the length of your stock. It's so fast it is hard to imagine.

Q: You just presented a prototype wooden presentation case to your customer. He loved it, she wanted it ten percent smaller. The debate is over. How do you calculate a ten percent reduction of 9-7/8"?

A: Forget the calculation. Use the SD-6 SPIDER DIVIDER to divide the distance into tenths. The ninth mark is 90% of 9-7/8" representing a ten percent reduction in size. (For you math magicians, first convert 9-7/8" to the decimal equivalent which is 9.875". Multiply times .9 and you get 8.8875. Now go find a decimal equivalent chart and round to the nearest fraction you can read on your rule, and...there is no way you can beat the SD-6 SPIDER DIVIDER for speed or accuracy!

SD-6 SPIDER DIVIDER
1 102-080 **\$149.00** (CLUB \$134.10)
Custom Engraving: 3 characters.



FIGURE 1. SD-6 SPIDER DIVIDER USED TO CHECK FOR SQUARENESS FOR FRAMING AND CARCASE ASSEMBLY.



FIGURE 2. READING THE WIDTH OF A CABINET BY EXTENDING THE SD-6 SPIDER DIVIDER BETWEEN TWO POINTS.



FIGURE 3. TRANSFER OF A READING TO PREPARE FOR A CUT. THE SD-6 SPIDER DIVIDER ELIMINATES MISTAKES OFTEN MADE IN THE INTERPRETIVE ERRORS WITH THE USE OF RULERS.

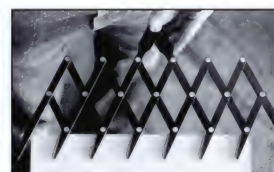


FIGURE 4. EMPIRICALLY DIVIDING A BOARD LENGTH TO EVENLY LAY OUT DOVETAILS AND OTHER JOINTS.



FIGURE 5. MARKING THE CENTER OF A BOARD.

SCRATCH AWLS

SA-1 SCRATCH AWL

The SA-1 SCRATCH AWL is designed to compliment its "big brother" the SA-2. It is great for starting screw holes and making divots for brad point drills. The handle comes to rest in the palm of your hand, the point acting as an extension of your index finger. This immobilizes your wrist and allows you to transfer "weight" to the point. As a safety feature, the brass ferrule completely encapsulates the tang and directs all downward forces to the minor diameter of the handle. The SA-1 SCRATCH AWL is a delightful addition to any shop and saves the day when the SA-2 is too long.



"It fits the hand like an extra finger."

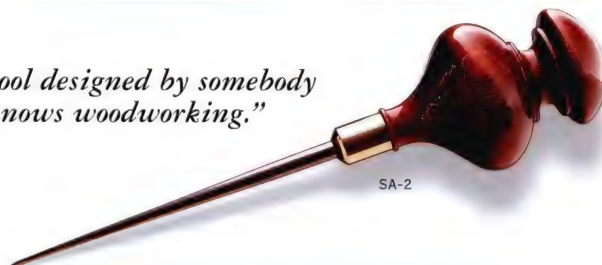
SA-1 SMALL SCRATCH AWL
1101-058.....\$39.00 (CLUB \$35.10)

Custom engraving is not available.

SA-2 SCRATCH AWL

This is the finest scratch awl in the world today. Each rosewood handle is flawlessly hand turned by master turner, Mark Stevens. The balance of this tool in your hand is unlike any you have ever experienced. The control of this awl, (somewhat like a conductor's baton) allows you to lay down lines in the tightest situations, like making dovetails, mortise and tenons or tracing profiles. The 4-1/2" hardened steel blade is long and narrow, terminating in a very fine point. For seventeen years now, our SA-2 SCRATCH AWL has remained tops on the list of perennial best sellers, much appreciated by woodworkers, and equally prized by woodturners and collectors.

"...a tool designed by somebody who knows woodworking."



SA-2 BENCH SCRATCH AWL
1101-018.....\$45.00 (CLUB \$40.50)

Custom engraving is not available.

SA-3 BENT TIP SCRATCH AWL

The elegant simplicity of our scratch awl family continues with the introduction of the SA-3 BENT TIP AWL. It works efficiently, feels splendid in your palm and will allow you to complete tasks that are rather awkward with a straight blade awl. The SA-3 BENT TIP AWL really shines in awkward places and is amazingly easy to use. Try it once and you will be hooked!

"I have never used a tool that works as well as this new awl. It is great for profile work!"



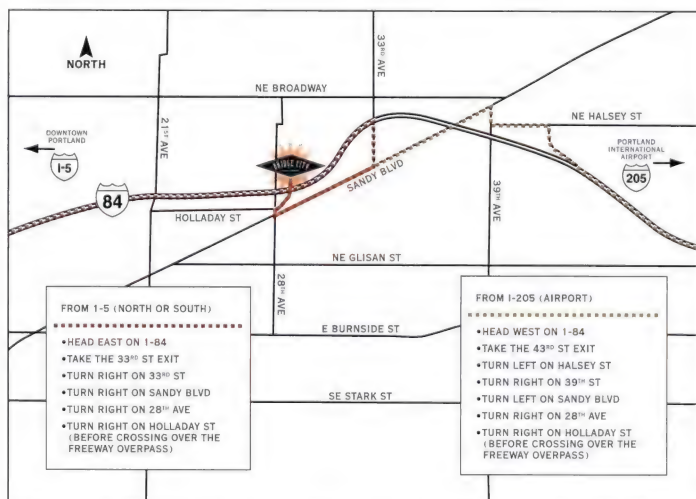
SA-3 BENT TIP SCRATCH AWL
1101-088.....\$49.00 (CLUB \$44.10)

Custom engraving is not available.

Made to the same exacting standards of the SA-2 SCRATCH AWL, and complete with a hand-turned rosewood handle by master turner, Mark Stevens.

BLADE: HARDENED STEEL RC54, CENTERLESS GROUND AND SHARPENED.
HANDLE: SOLID ROSEWOOD, HAND TURNED. SOLID BRASS FERRULE.

TOOL	OVERALL LENGTH	BLADE LENGTH
SA-1	5"	3-3/8"
SA-2	8"	4-1/2"
SA-3	8"	4-1/2"



How to find us...

If you're fortunate enough to find yourself in beautiful Portland, Oregon we'd love to have you visit us. We're hard to find but worth the trip.

Effective January 2001, Bridge City Tool Works will have a new address. See page 27 for details.

Take our advice and call us first! We'll save you from getting lost.

Did You Know...

...it is possible to save 10-30% on all Bridge City Tools if we have your valid email address?

It's the very best way to add our heirloom tools to your shop. Call 1-800-253-3332 today to update your customer records.

(See John's letter on page 29 for further details.)

PRECISION MEASURING STICK

Without doubt, "measuring" is a leading cause of mistakes in the woodshop. These mistakes are partially due to an arcane measuring system (*Was that 13-¹/₁₆" or 15-¹/₁₆"?*), part ignorance and part inexperience. We are pleased to present a professional version of one of the oldest woodworking tools known to man, please meet the **MS-96 PRECISION MEASURING STICK**!

Used for determining or comparing length, "measuring sticks" are the easiest, fastest and most accurate way to transfer length measurements or check for square on large projects.

USES

Two comparison measurements across the corners (no graduations are needed for comparison measurements) of a rectilinear woodworking project will quickly and accurately determine if *all four* corners are square. With smaller projects it is easier to check with a precise square. *On a larger project this technique could be a disaster. Here's why—*



Unlike shop made measuring sticks, there are no slots in our stick sections. Opposing sliding dovetails "jam" to each other by locking knobs located on a single face of the assembled tool. This design accomplishes three important objectives. The "wedged" dovetails create joints that refuse to move (measuring sticks that "slip" are worthless). Second, wedged sliding dovetails always self-align, so any combination of sections acts as one, preventing "joint sag". Finally, by making the tool in sections, you can use the **MS-96 PRECISION MEASURING STICK** on all measuring tasks from 21" up to 97" without encountering knob interference.

Four brass locking knobs are infilled with rosewood, matching our other tools, the fifth is solid

brass for purposes of engraving. The nylon tipped locking studs prevent scoring of the sections and mate with threaded brass bushings—a nice feature for you and your heirs. Finally, the nickel-plated tips (contact points are a scant 0.030" wide) are easily replaceable when your tool takes an inevitable dive to the floor.

From my experience as a teacher, I believe many of you have never used a measuring stick. I also know once you do, you will never go back to your old ways and are certain to regret not making yourself available to this tool sooner. We believe the **MS-96 PRECISION MEASURING STICK** is the best and most professional version of this tool ever produced. Don't delay, put this "stick" to work today!

Clamping large projects often causes stock deflection. Too much pressure and all members may bow. *How on earth is a square going to help you determine if your project is true without a single reference surface? This is where the MS-96 will save the day.*

This simple illustration is an example of thousands of cases (pun intended!) where our beautiful and useful **MS-96 PRECISION MEASURING STICK** will confidently allow you to productively spend your precious shop time.

CONSTRUCTION

Our measuring stick system consists of six interchangeable extruded aluminum bars. The proprietary, cross-sectional profile provides



SLIGHTLY OVER 8 FEET CAPACITY

MS-96 PRECISION MEASURING STICK
1101-136 \$169.00 (CLUB \$152.10)

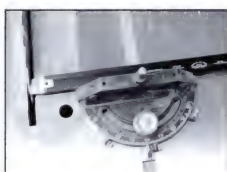
Custom Engraving: 6 characters.



THERE IS NOT AN EASIER OR MORE ACCURATE WAY TO MEASURE LENGTH THAN WITH OUR MEASURING STICK.



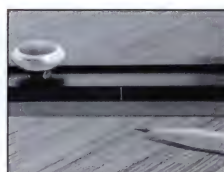
TRANSFER THE LENGTH TO YOUR TABLE SAW FOR AN ACCURATE AND UNMEASURED CUT.



KNOB INTERFERENCE IS A NON-ISSUE WITH THE MS-96 AS IT REFERENCES ACCURATELY ON THREE ADJACENT FACES.



TIP REPLACEMENT IS EASY IF NEEDED. JUST REMOVE ONE SCREW AND SNAP IN A REPLACEMENT.



THE FINISH OF THE MS-96 ALLOWS FOR REGISTRATION MARKS BY PENCIL. THIS IS THE QUICKEST AND MOST ACCURATE WAY TO RECALL DISTANCE READINGS.



ALL SIX PIECES OF THE MS-96 ARE EASILY INTERCHANGEABLE.

COMPLEMENTARY ANGLE BEVEL

We are pleased to introduce you to the **TB-4 COMPLEMENTARY ANGLE BEVEL**. It is a handsome addition to our family of heirloom tools and one we are sure you'll want to put to work immediately.

In addition to instantly calculating all complementary angles, the **TB-4** is also a splendid bevel.

Here's how you can put the **TB-4 COMPLEMENTARY ANGLE BEVEL** through the paces in your shop.

The most obvious use of the **TB-4 COMPLEMENTARY ANGLE BEVEL** is constructing miters where your stock is unequal in width (the correct miter angles will never be 45 degrees if the stock width varies).

It is not uncommon to need a "trailing" 90 degrees for many joints or projects. With your **TB-4 COMPLEMENTARY ANGLE BEVEL**, this is never a problem. Set the tool to your desired angle and you will always have a perfect 90-degree offshoot. You can't work any faster than by using our **TB-4 COMPLEMENTARY ANGLE BEVEL**.

Some of the more obvious uses of the **TB-4 COMPLEMENTARY ANGLE BEVEL** include all the joints where 90 degrees plays a decorative or functional role. These include the birdmouth joints, bridle joints and assorted scarf joints. Labor no more, help is here to stay when you rely upon the accuracy of the **TB-4 COMPLEMENTARY ANGLE BEVEL**.

The **TB-4 COMPLEMENTARY ANGLE BEVEL** works quite nicely as a regular sliding

T-bevel. Setting the angles of saw blades or a machine fence is a breeze. (Don't forget to

check your cut stock in the bevel before proceeding. It is not uncommon to "lie" to machines to obtain the accuracy you desire for light tight assemblies.)

One of the nicest features of the **TB-4 COMPLEMENTARY ANGLE BEVEL** is the ability to set it to perfect 90. Simply set the tool on a flat surface and align the handle and the blade in the same plane. It really is a nice tool for speedy and accurate work.

Often with traditional "T" bevels, measuring or layout of extremely sharp angles is impossible. The offset leg provides a myriad of pivot-point configurations for hard to determine angles and awkward applications.

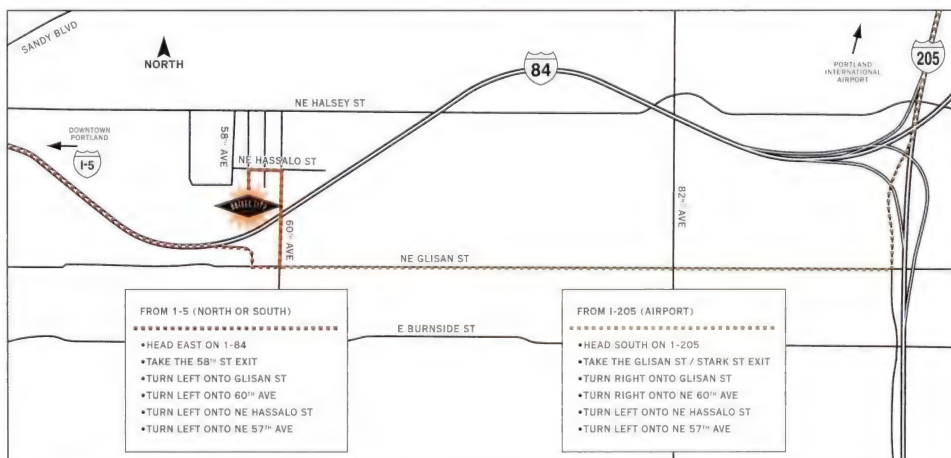
With the blade fully extended, the **TB-4 COMPLEMENTARY ANGLE BEVEL** is the tool for measuring tapers. This application may be of interest to turners who are attempting to duplicate work.

In a pinch, the **TB-4 COMPLEMENTARY ANGLE BEVEL** can be used as a rudimentary caliper. If you are hand-planing a board, set the **TB-4 COMPLEMENTARY ANGLE BEVEL** to the narrowest thickness and plane your stock until the other end is a match. This is but a few of the creative applications that you may find useful once you begin using this extraordinary tool!

"I've been looking for one of these for ages."

ACCURACY: BLADE SQUARENESS: PLUS OR MINUS .003".
BLADE: STAINLESS STEEL, 7" X 4".
HANDLE: SOLID BRASS WITH ROSEWOOD INFILL, BRASS WEAR PLATE, RIVETS ARE ANCHORED IN SOLID BRASS SEATS, BOTH SIDES.
KNOB: SOLID BRASS, KNURLED WITH ROSEWOOD INFILL.

TB-4 COMPLEMENTARY ANGLE BEVEL
1101-102.....\$94.00 (CLUB \$84.60)
Custom Engraving: TB-4: 3 characters.



Bridge City Tool Works is Moving!

Effective January 2001, Bridge City Tool Works will have a new address. We're packing our tools and moving 2 miles into a new building. Until we are officially relocated, we're providing maps to both our new and old locations (see page 25). So, if you're coming to visit, be sure to call us first so we can tell you which map to use! Our new address is:

BRIDGE CITY TOOL WORKS, INC.
5820 NE HASSALO
PORTLAND, OR 97213

THE WORKS



The Works

The "Works" is the best deal we have to offer—one of everything in the store at the lowest possible price! The "Works" is an heirloom purchase to be handed down from generation to generation. It consists of all 73 items listed on page 29 and, as always, each tool comes with our eminently fair lifetime guarantee. Individually, these items total \$8,659.80. You save over \$829! Join the Bridge City Tool Club and save over \$1644!

THE "WORKS"
1111-018 **\$7,850.00**
 (CLUB \$7,015.00)

THE "WORKS" ON EASY PAY
1111-019-EP **\$8,340.00**
 (\$695.00/MO. FOR 12 MO.)
 (CLUB \$7,506.00)
 (\$625.50/MO. FOR 12 MO.)



Save on Our Special Tool Sets

Whether you are setting up a shop, replacing inaccurate tools, or looking for the ultimate gift for a family member, a friend or yourself, these specially priced tool sets represent an exceptional value. There is no better way to acquire the finest layout tools in the world. These sets are also available on our no stress EASY PAY program (credit card orders only).

The "Create Your Own Tool Set #1"

This is a great way for those who already have some of our tools to round out their collections. To "Create Your Own Tool Set #1," order six or more individual* Bridge City tools from the catalog and take 5% off the individual tool prices (Tool Club members take 5% off the individual Tool Club Member price).

1111-014
"CREATE YOUR OWN TOOL SET #1"
5% OFF CATALOG PRICES
 (CLUB MEMBERS TOTAL DISCOUNT IS 14.5% OFF REGULAR PRICE.)

The "Create Your Own Tool Set #2"

To "Create Your Own Tool Set #2," order ten or more individual* Bridge City tools from the catalog and take 7% off the individual tool prices (Tool Club members take 7% off the individual Tool Club Member price).

1111-016
"CREATE YOUR OWN TOOL SET #2"
7% OFF CATALOG PRICES
 (CLUB MEMBERS TOTAL DISCOUNT IS 16.3% OFF REGULAR PRICE.)

**Tool set prices (i.e., Marking Gage set) do not apply towards these offers. Confused? Give us a call, we'll make sure you get exactly what you want.*

BRIDGE CITY TOOLS PRICE LIST

TOOL	DESCRIPTION	CAT \$	CLUB \$	PAGE
AM-1	ANGLE MASTER	179.00	161.10	12
AMS-7	ADJUSTABLE MITER SQUARE	109.00	98.10	8
AS-3	ADJUSTABLE TRY SQ. 3"	66.00	59.40	8
AS-5	ADJUSTABLE TRY SQ. 5"	86.00	77.40	8
AS-7	ADJUSTABLE TRY SQ. 7"	109.00	98.10	8
AS-9	ADJUSTABLE TRY SQ. 9"	129.00	116.10	8
AS-14	ADJUSTABLE TRY SQ. 14"	139.00	125.10	8
AS-24	ADJUSTABLE ANGLE SQ. 24"	124.00	111.60	22
BL-9	BENCH LEVEL	189.00	170.10	15
BP-18	BEVEL PROTRACTOR	165.00	148.50	13
BR-6	6" ZERO GLARE POCKET RULE	14.95	13.46	16
BR-12	12" ZERO GLARE BENCH RULE	19.95	17.96	16
BS-5	TRANSFER BEVEL 5"	93.00	83.70	9
BS-10	TRANSFER BEVEL 10"	108.00	97.20	9
BSE-24	BEVEL STRAIGHT EDGE 24"	79.00	71.10	21
BSE-36	BEVEL STRAIGHT EDGE 36"	119.00	107.10	21
CR-18	CENTERING RULE 18"	32.00	28.80	20
CS-1	CENTERSCRIBE	195.00	175.50	23
CS-6	COMBINATION SQUARE 6"	84.00	75.60	39
CS-12	COMBINATION SQUARE 12"	149.00	134.10	38
CS-18	COMBINATION SQUARE 18"	165.00	148.50	38
DC-40	DIVIDING COMPASS	189.00	170.10	30
DG-2	DEPTH GAGE	129.00	116.10	10
DS-6	DOUBLE SQUARE	79.00	71.10	39
HG-2	HEIGHT GAGE ACCESSORY	75.00	67.50	10
HP-1	12° LOW ANGLE BLOCK PLANE	599.00	539.10	2
HP-2	20° BLOCK PLANE	599.00	539.10	2
JH-1H	STEEL HAMMER	41.00	36.90	35
JH-1S	BRASS HAMMER	39.00	35.10	35
JM-1	JOINTMAKER PACKAGE	189.00	170.10	32
JS-1	DOZUKI BACK SAW	89.00	80.10	4
JS-2	RYOBA RIP/CROSSCUT SAW	78.00	70.20	4
JS-3	KATABA SAW	79.00	71.10	4
MG-2	MARKING/MORTISING GAGE	155.00	139.50	11
MG-3	MARKING GAGE/DEPTH GAGE	129.00	116.10	11
MP-8	MACHINE PROTRACTOR	89.00	80.10	34
MS-1	JOINTMAKER'S MITER SQUARE	72.00	64.80	17
MS-1.5	MID-SIZED MITER SQUARE	78.00	70.20	17
MS-2	MASTER MITER SQUARE	83.00	74.70	17
MS-3	22-1/2 DEGREE MITER SQUARE	75.00	67.50	17
MS-96	PRECISION MEASURING STICK	169.00	152.10	26
PB-1	PALM BRACE	159.00	143.10	6
PB-9	PLUMB BOB SET	98.00	88.20	14
PG-5	PROFILE GAGE	109.00	98.10	40
PG-10	DOUBLE PROFILE GAGE	209.00	188.10	40
PG-13	TRIPLE PROFILE GAGE	284.00	255.60	40
PG-24	PANEL GAGE	215.00	193.50	11
PT-1	PRECISION TRAMMEL SET	219.00	197.10	31
PV-1	PIN VISE	149.00	134.10	36
RS-18	MOTHER OF ALL RULERS	289.00	260.10	18
SA-1	SCRATCH AWL (SMALL)	39.00	35.10	25
SA-2	BENCH SCRATCH AWL (LARGE)	45.00	40.50	25
SA-3	BENT TIP SCRATCH AWL	49.00	44.10	25
SD-6	SPIDER DIVIDER	149.00	134.10	24
SE-24	STRAIGHT EDGE	49.00	44.10	21
SR-6	POCKET RULE 6"	9.95	8.96	20
SR-12	BENCH RULE 12"	19.00	17.10	20
SR-24	BENCH RULE 24"	42.00	37.80	20
SR-36	BENCH RULE 36"	59.00	53.10	21
SR-1M	BENCH RULE 1 METER	64.00	57.60	21
SS-1	SCROLL SAW SQUARE	19.95	17.96	15
SS-2	SADDLE SQUARE 2"	66.00	59.40	3
SS-2x4	HYBRID SADDLE SQ. 2" X 4"	68.00	61.20	3
SS-4	SADDLE SQUARE 4"	70.00	63.00	3
SS-DT	SADDLE DOVETAIL SQ. 8:1/6:1	107.00	96.30	3
TB-1	T-BEVEL	81.00	72.90	22
TB-2	SLIDING T-BEVEL 7"	87.00	78.30	22
TB-3	SLIDING T-BEVEL 12"	98.00	88.20	22
TB-4	COMPLEMENTARY ANGLE BEVEL	94.00	84.60	27
TS-1	JOINTMAKER'S TRY SQUARE	68.00	61.20	16
TS-1.5	MID-SIZED TRY SQUARE	72.00	64.80	16
TS-2	MASTER TRY SQUARE	75.00	67.50	16
TT-1	TURNING TREE	109.00	98.10	35
TOTAL PRICE:		\$8,659.80	\$7,793.84	
TOTAL WORKS PRICE:		\$7,850.00	\$7,015.00	



DEAR BRIDGE CITY CUSTOMER:

We are moving! Effective January 2001 we will make our heirloom tools in a modern production environment with room to grow. If you are planning a visit, please call for directions!

FYI: I had a terrific experience teaching a design class this past June at the Marc Adams School of Woodworking. This impressive facility, located twenty minutes from Indianapolis is one of the finest woodworking shops you will ever see. I don't know if I will return but you should definitely request a course schedule for 2001. Contact the school by calling 317-535-4013 or visit their web site at www.marcadams.com. *I have never seen such an enthusiastic group of students and a more dedicated staff—just thought you would like to know.*

We've entered into a strategic alliance with an ISO 9000 manufacturer in India. This company is producing various steel components for us and the timing couldn't be better—we are having a difficult time finding qualified employees in this job market. If you know of CNC machinists who would like to make the world's finest woodworking tools, we are hiring!

I am often asked which Bridge City tool is MY favorite. The answer is typically the same; whatever I am currently designing. However, two favorites stand out in this catalog. Check out our new hand planes (see pg. 2), they are astonishing works of functional craftsmanship. These two planes are not inexpensive, and consequently are not for everyone, but if you are a plane nut, these are the finest production planes made in American history. The other new tool worth considering is our new Palm Brace (see pg. 6). This tool is one of those tools where it changes the way you think. And it works superbly.

Without your email address we are unable to notify you of the very best deals on our heirloom tools! There are two ways to purchase Bridge City tools, from the catalog (this includes our web site) or from our popular email specials. Approximately twice a month we announce via email, our production plans for the ensuing six weeks. The savings are terrific and even better if you are a current Tool Club member. All "blems", overstocks, special purchases and more are announced via email. To update your file, call one of our customer service reps or email us today (sales@bridgecitytools.com)!

On page 54 is the most amazing and accurate woodworking machine I have ever seen. *It's also the most expensive.* We don't expect to sell many of these engineering marvels but I know you will enjoy reading about a machine that was designed without compromises.

For ecological reasons we have discontinued the practice of including an envelope for ordering. The order form is now located on page 55. Over ninety-nine percent of our orders are by phone, web or email and it makes no sense to waste hundreds of thousands of envelopes. For those of you who prefer to order by mail, we encourage you to continue and you may deduct one dollar per mail order for the hassle!

Warm regards,

John Economaki, President, CEO & Founder
john@bridgecitytools.com

DIVIDING COMPASS

The DC-40 DIVIDING COMPASS is an invaluable tool for any active woodworker or craftsman. It's made to perform without disappointment and should be cherished for generations to come. Arcs and circles up to 40" in diameter are easily scribed or drawn with this tool.

The DC-40 DIVIDING COMPASS is both a compass and a divider. A compass consists of two legs which are hinged at one end. One leg is the pivot point and the other lays down an arc with a drawing point. Dividers also consist of two hinged legs with each leg terminating in a sharp scribe point. In both cases, the primary functions enable you to scribe or draw arcs and circles.

Additionally, dividers allow you to develop geometric shapes, transfer distances from a scale to your work and assist you in dividing a length into smaller segments.

The DC-40 DIVIDING COMPASS is milled from solid brass. Inset into each leg are two compound dovetailed rosewood cheeks. This design

makes the tool lighter and more rigid than if it were solid brass. The combination of brass and wood creates a visually stunning example of our toolmakers' love for craftsmanship.

"I can honestly say that I have never purchased a tool as beautifully crafted as your compass. I don't know whether to use it or just sit and look at it."

The heart of a well made divider/compass is the ability of the tool to remain firmly locked at the setting you need. Our double taper lock joint is a unique and practical solution to obtain this rigidity. This design has enabled us to build a compass without the "wing" found in mass produced versions. You will not have any difficulty setting or locking this tool in place. Like our bevels, this mechanism is sealed from dust and grime to ensure years of trouble-free work.

Each scribe point in the DC-40 DIVIDING COMPASS is independently adjustable. This feature allows you to scribe arcs and circles when the center point is not in the same plane as the intended arc or circle. This is very handy for face plate turning and similar shop applications. But best of all, this adjustability allows you to fine tune the tool to accurate dimensions. If you find your tool is scribing an arc slightly off your intentions, simply adjust one of the points in or out to compensate accordingly.



THE DC-40 DIVIDING COMPASS CAN ALSO BE USED AS A BEAM OR TRAMMEL-TYPE TOOL.



CANTING THE DRAWING TOOL MAKES MARKING A BREEZE.

What makes the DC-40 DIVIDING COMPASS particularly valuable is the ability to adjust the points perpendicular to the legs, in effect, converting the



LEGS: SOLID 360 ALLOY, HALF-HARD BRASS, ROSEWOOD INLAY, 8- $\frac{1}{2}$ " LENGTH, WEIGHT 1 LB.
SCRIBE POINTS: HARDENED STEEL (RC 60), CENTERLESS GROUND, 4" LENGTH.
BRACKETS: SOLID 360 ALLOY, HALF-HARD BRASS, $\frac{3}{8}$ " MAXIMUM DIAMETER.
KNOB: SOLID BRASS, KNURLLED WITH ROSEWOOD INFILL.

divider to a beam or trammel-type tool. Where the ultimate in accuracy is needed, this is the configuration you should use. And because the points are adjustable, this feature will allow you to layout dimensions in a space much smaller than a traditionally designed tool.

This tool comes with its own pencil, but will hold almost any hex pencil, many ball point pens and other assorted drawing instruments. You can adjust the angle of any point or drawing tool to the work surface. When the drawing point trails the leg of the compass, it's possible to draw large arcs and circles with only one finger touching the tool! This feature allows you to draft circles and arcs with unprecedented ease.

The radius capacity of the DC-40 DIVIDING COMPASS is from 0" to 20". This will allow you to strike a circle up to 40" in diameter. This is truly an accurate and beautifully made instrument. It is a great tool for any wood shop.

DC-40 DIVIDING COMPASS
1101-061 **\$189.00** (CLUB \$170.10)
Custom Engraving: 24 characters.

PRECISION TRAMMEL SET

A trammel set is an essential woodworking tool for large geometric construction and layout. Specific uses include the generation of curves for the back of chairs, large curves at the end of tables, arched windows and doors, round tables, wheels, all circular, arc, and ellipse layout, geometric constructions, repetitive spacing, and a couple of interesting measuring functions. Three heads are used to lay out precise parallel lines around a common center point (arched window frames are an example), and for generating ellipses of all sizes.

"I don't know how you folks keep coming up with these tool designs. Your trammel belongs in a museum..."

Our solid brass trammel heads are drilled and tapped to receive a locking knob and a stainless steel collet. On one of the heads we mill an internal cursor. Finally, we cap each trammel body with one of our signature rosewood infilled locking knobs.

The graduated (64th's & 32nd's, or mm & 1/2 mm) trammel bar is one meter in length. Additionally, multiple bars may be fastened together for very large arcs and circles.



also use a trammel to check the accuracy of a glued-up carcass. Remember, measurements across diagonal corners in any square or rectangular shape will be the same only if the corners are square.

Other uses include accurate step measurements where you need an index mark repeated evenly along a straight line. This is handy for the layout of shelf supports and drawer runners.

POINTS: HARDENED STEEL (RC 60), DIAMETER: .300", LENGTH: 5".
HEADS: SOLID 360 ALLOY HALF-HARD BRASS, ROSEWOOD INFILL BRASS LOCKING KNOB.
BAR: JUARATTM WOOD WITH PHOTOCHEMICALLY ETCHED, BLACK-FILLED 1 METER RULE. GRADUATIONS IN ENGLISH (16TH'S & 32ND'S) OR METRIC (MM & 1/2 MM).
SPECIAL FEATURES: "T" BARS PREVENT TRAMMEL HEADS FROM COMING OFF BAR. MULTIPLE BARS CAN BE FASTENED TOGETHER.

HOW YOU USE THE PT-1 PRECISION TRAMMEL

The hardened steel points leave a very sharp, crisp line or you can substitute a pencil of similar length. For extremely accurate work, it is very easy to adjust the heads in 1/4" or .5mm increments. Loosen the pivot trammel slightly and nudge the trammel head forward with your thumb until the point is exactly where you want it. Rarely will you need this kind of accuracy in woodworking.

Tables, chairs, wheels, graphics, and geometry development, including pentagons, hexagons, and octagons are all vastly easier with a trammel set. You can



THE PT-1 TRAMMEL HEAD WILL ACCEPT PENCILS AS WELL AS THE HARDENED STEEL SCRIBE POINT.



IT'S HARD FOR YOU TO LOSE ONE OF OUR TRAMMEL HEADS OFF THE BAR AS THEY ARE FIRMLY HELD IN PLACE WITH OUR "T" BAR.



USE A POCKET RULE TO CALIBRATE THE POINTS AND YOU WILL NEVER HAVE TO WORRY ABOUT THE ACCURACY OF THIS PRECISION TOOL. CIRCLES AND ARCS HAVE NEVER BEEN FASTER OR EASIER.

The PT-1 PRECISION TRAMMEL SET is a special tool. It is a visual inspiration in your shop and an eager and highly capable performer in the hands of an appreciative owner. No shop should be without this beautifully crafted and versatile tool. Patent pending.

PT-1 PRECISION TRAMMEL SET

(INCLUDES: PAIR OF TRAMMEL HEADS, POINTS AND ONE BAR WITH METER RULE. PLEASE SPECIFY ENGLISH OR METRIC.)

1111-011\$219.00 (CLUB \$197.10)

PAIR OF TRAMMEL HEADS & POINTS ONLY

1102-066\$129.00 (CLUB \$116.10)

1 METER JUARATM WOOD TRAMMEL BAR

(WITH RULE AND CONNECTOR)

1102-067\$125.00 (CLUB \$112.50)

18" TRAMMEL BAR WITHOUT RULE

1102-091\$44.00 (CLUB \$39.60)

1 METER JUARATM WOOD TRAMMEL BAR WITHOUT RULE

(EXTENSION BAR FOR LARGE ARCS)

1102-090\$66.00 (CLUB \$59.40)

ADDITIONAL SCRIBING TRAMMEL HEAD & POINT

(THREE HEADS ARE USED FOR GENERATING ELLIPSE AND OVAL SHAPES.)

1102-069\$84.00 (CLUB \$75.60)

If you are making your own bar, you can purchase the SR-1M 1 Meter Bench Rule.

SR-1M 1 METER BENCH RULE

1101-067\$64.00 (CLUB \$57.60)

Custom Engraving: 25 characters.

JOINTMAKER & PRECISION PARING GUIDES

The rich history of woodworking is full of inventions that improve accuracy, save time and increase productivity. Tools, guides, jigs and fixtures allow you to produce higher quality work with predictable results. Without predictive results, fun yields to frustration and woodworking quickly becomes unrewarding. For example:

Imagine taking a brand new 1" butt chisel and after "flattening the back" on a series of stones and freehand honing a thirty-degree edge. Now do the same task with a honing guide. Which way was fun? Which method yields predictable results?

Cool! A miniature miter box that quickly and easily fastens to your stock for cutting woodworking joints and angles!

Now take that same sharp chisel and edge smooth a rough board. Or, clamp the chisel in a wood or metal body and "plane" that edge. (A hand plane is an elaborately jiggled chisel.) Which works better? Which method yields predictable results?

As a woodworker, you will never become a "craftsperson" if you consistently predict the need for putty and filler in your work! Towards your quest for predictive results we are ecstatic to introduce two of the most significant new inventions in our history. Please meet the **JM-1 JOINTMAKER** and our new **PRECISION PARING GUIDES!**

The **JM-1 JOINTMAKER** is a new tool that allows you to generate predictable saw or light chisel cuts with any high quality hand-saw or chisel. Never before has it been possible to handsaw with such ease and accuracy. Never before have you been able to pare a surface with a chisel with accuracy as easy as this. **GAP FREE** joints are directly

related to the quality of your saw and chisel cuts. Combine any good back saw* with the **JM-1 JOINTMAKER** and you will instantly see gallery quality results!

HOW THE JM-1 JOINTMAKER WORKS....

Layout your joints (or cuts) traditionally with a marking knife (Yes, we will make one soon!), awl or a pencil. Insert the appropriate guide block in the **JM-1 JOINTMAKER** body and tighten. Now position the **JM-1 JOINTMAKER** on your stock and tighten. Saw away, it's that simple! The **JM-1 JOINTMAKER** guides your saw exactly where you want without slop or wobble. Your sawing rhythm becomes so relaxing and accurate you won't believe the results. All

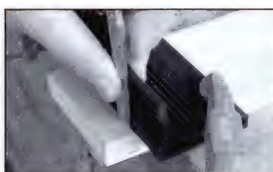
*THE JM-1 JOINTMAKER WORKS OPTIMALLY WITH OUR JS-1 DOZUKI SAW (PAGE 4) WHICH WE BELIEVE IS THE FINEST JOINT CUTTING SAW IN AMERICA. THE CUTS FROM THIS EXTREMELY EFFICIENT SAW APPEAR TO BE MADE WITH A CHISEL. HOWEVER, ANY BACKSAW WILL WORK WITH THE JM-1 JOINTMAKER, THE FINER THE SAW, THE BETTER.



THE JM-1 FASTENS TO ALL STOCK UP TO 1-3/4" IN THICKNESS. THE OFFSET OF THE GUIDE BLOCK FROM YOUR STOCK PROTECTS YOUR SAW TOOTH SET AND THE GUIDE BLOCK ALLOWING FOR DEAD ACCURATE ALIGNMENT.



HOLDING CLAMPED PARTS IN A VISE MAKES CHEEK CUTS ON NARROW BOARDS POSSIBLE. USE DOUBLE-STICK TAPE IF NECESSARY.



OUR PRECISION PARING GUIDES ALIGN YOUR CHISEL TO 88 DEGREES FOR PERFECT UNDERCUT JOINTS. COMES IN THREE HANDY LENGTHS.



THE UNIQUE DESIGN OF THE PARING GUIDE DOUBLES AS A HANDY WORKBENCH ORGANIZER. HOLDS RULES, SQUARES AND PENCILS.



EXTREMELY NARROW STRIPS AND VENEER ARE EASILY CUT WHEN ATTACHED TO A DUMMY BOARD WITH DOUBLE STICK TAPE. HERE WE CUT A MITER ON 3/4" BY 3/4" EBONY, AND THE JOINT IS PERFECT!



Our Complete Joint Making Set!

24" PARING GUIDE NOT SHOWN. SQUARES NOT INCLUDED.

you control is depth of cut, which means you need to pay a little attention and the JM-1 JOINTMAKER does the rest! *Think of the JM-1 JointMaker as a portable miter box that quickly and easily fastens to your stock for cutting the most common wood-working joints and angles!* If your saw is inexpensive and cut surfaces are crude, use the JM-1 JOINTMAKER as a chisel guide to clean up your work! You will not believe how easy and fun it is to obtain perfect joints with this great new addition to our family of tools.

The JM-1 JOINTMAKER body prevents the saw teeth from rubbing on the guide blocks. This important feature prevents unnecessary wear of your saw teeth set and also facilitates the quick reference of the saw body to the guide block. It also prevents the guide block from getting chewed up with use. It really is an amazingly simple and elegant design solution.

The guide blocks are precision cut from hard rock maple and should last years with minimal care. The JM-1 JOINTMAKER will also accept custom guides from your shop if our standard set doesn't completely meet your needs. We currently make eleven different guide blocks: 90°, 45° face, 45° edge, 30° face, 30° edge, 22.5° face, 22.5° edge, 8:1 dovetail set (pins and sockets) and a 6:1 dovetail set.

HAND DOVETAILS AND OTHER DIFFICULT JOINTS ARE NOW A BREEZE!

Hundreds of novice woodworkers have cut perfect dovetails using this system in a single session. The JM-1 JOINTMAKER allows you to perfectly cut the pins and the sockets every time. The results are predictable and perfect! More importantly, hand-cut dovetails are beautiful. *(You can cut dovetails with a router and achieve predictable results as well. You can predict your extension cord is nowhere to be found. You can predict 110 decibels of screaming racket. You can predict enough airborne dust to down a parakeet in mid-flight. You can count*

on the stress of hand holding a ten-pound, 20,000 rpm gyroscope with a razor sharp cutter protruding from one end. You can predict all the safety gear on your head will misalign your neck. Finally, you can predict a joint with the esthetics of a TV dinner....)

Included free with each JM-1 JOINTMAKER is our new guide, "Great Looking Joints by Hand with the JM-1 JointMaker". Complete

step-by-step instructions are included on how to layout and cut beautiful dovetails and tips for other perfectly executed joints the first time you use this amazing new tool (with a good saw).

OUR NEW PARING GUIDES MAKE SHORT ORDER OF BACK CUTTING AND CUT ALIGNMENT!

The end-grain surfaces of many open joints, including dovetails are typically cut with a chisel. To assist you with this task, we proudly offer a very interesting and inexpensive set of PARING GUIDES. Once clamped in place, you simply work your chisel to the center of your stock thickness from each face with the back of the chisel resting against the guide.

Our PARING GUIDES will

guide your chisel at 88 degrees, creating a perfectly undercut joint. Once assembled, the joints look like they were cut with a laser. *(Our step-by-step instructions on how to cut dovetails with the JM-1 and our Paring Guides have several great short cuts that will help you master this enigmatic joint in a single afternoon!)*

Our new PARING GUIDES come three to a set, 6", 18" and 24". This should cover the vast majority of your needs. *(Custom lengths available upon request.)* When not in use, our new PARING GUIDES will hold your pencils, combo squares, rules, etc. They are the handiest reference tool you will ever use in conjunction with the JM-1 JOINTMAKER.

JOINTMAKER COMPLETE PACKAGE

SET INCLUDES: 2 JM-1 JOINTMAKERS; 6", 18" & 24" PARING GUIDES; 11 PRECISION GUIDE BLOCKS.

505 \$189.00 (CLUB \$170.10)

JM-1 JOINTMAKER SET

SET INCLUDES: 2 JM-1 JOINTMAKERS.

502 \$56.00 (CLUB \$50.40)

PARING GUIDE SET

SET INCLUDES: 6", 18" & 24" PARING GUIDES.

503 \$89.00 (CLUB \$80.10)

PRECISION GUIDE BLOCK SET

SET INCLUDES: 11 PRECISION GUIDE BLOCKS.

504 \$49.00 (CLUB \$44.10)

Individual Prices are as follow:

JM-1 JOINTMAKER

1101-138 \$29.95 (CLUB \$26.95)

6" PARING GUIDE

1101-139-6 \$14.95 (CLUB \$13.45)

18" PARING GUIDE

1101-139-18 \$39.95 (CLUB \$35.95)

24" PARING GUIDE

1101-139-24 \$54.00 (CLUB \$48.60)

90° PRECISION GUIDE BLOCK

1101-140-90 \$4.95 (CLUB \$4.45)

45° FACE/EDGE PRECISION GUIDE BLOCK

1101-140-45 \$8.95 (CLUB \$8.05)

30° FACE/EDGE PRECISION GUIDE BLOCK

1101-140-30 \$8.95 (CLUB \$8.05)

22.5° FACE/EDGE PRECISION GUIDE BLOCK

1101-140-225 \$8.95 (CLUB \$8.05)

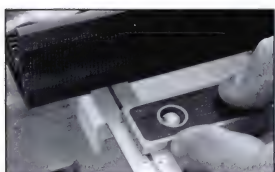
8:1 DOVETAIL SET (PINS & SOCKET)

1101-140-81 \$8.95 (CLUB \$8.05)

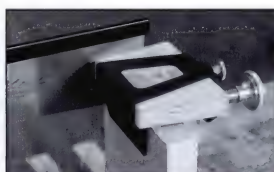
6:1 DOVETAIL SET (PINS & SOCKET)

1101-140-61 \$8.95 (CLUB \$8.05)

Custom Engraving: 3 characters.



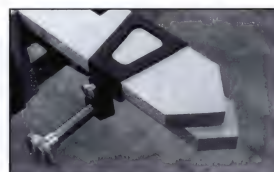
USE YOUR COMBINATION OR DOUBLE SQUARE TO ALIGN THE PARING GUIDE EQUALLY ON EACH END OF YOUR STOCK.



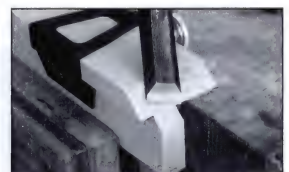
THE JM-1 WORKS WITH EITHER PULL OR PUSH BACKSAWS. ALIGN THE GUIDE SO YOU HAVE THE LONGEST LEAD-IN FOR THE FIRST FULL STROKE.



WHEN MAKING DOVETAILS USE THE PRECISION PARING GUIDE FROM BOTH FACES. CHISEL HALFWAY AND THEN WORK FROM THE OTHER SIDE. THE 88 DEGREE FACE WILL GIVE YOU A PERFECT UNDERCUT JOINT.



CUSTOM GUIDES CAN EASILY BE MADE IN YOUR SHOP FOR EVERY IMAGINABLE SAW CUT! HERE WE HAVE SLID THE JM-1 ASIDE REVEALING A PERFECT MIRROR OF THE CUSTOM CUTTING GUIDE.



THE JM-1 WORKS FANTASTIC FOR LIGHT CHISEL PARING. JOINT CLEAN-UP HAS NEVER BEEN EASIER OR MORE ACCURATE.

MACHINE PROTRACTOR

This extraordinary new tool looks and works different than any protractor you have ever seen. It's ease of use and vernier capabilities will allow you to accomplish any angular task! Read on to learn how to put the **MP-8 MACHINE PROTRACTOR** through the paces in your shop....

ACCURACY

The **MP-8** protractor is divided into whole degrees. The vernier allows you to read or set angles in 5-minute increments with incredible accuracy—even with “over 40 eyes”! With two solid brass locking knobs, your settings in rugged environments stay put, insuring the utmost accuracy.

Unlike most vernier measuring devices, there are no parallax issues with the **MP-8 MACHINE PROTRACTOR**. All graduations are permanently etched into the metal and are oblivious to solvents.

THE TABLE SAW: MITER GAGE & SAW BLADE ANGLES

You now can coax accuracy out of the cheapest, poorly made miter gages found—to *five minutes of a degree* with confidence! The **MP-8 MACHINE PROTRACTOR** fits directly on *all* miter gage bars (*fig. 1*).

Blade angles are set by substituting the blade with a ruler fastened on edge to the saw arbor. Set the angle of the ruler with the **MP-8** and then replace the blade. Viola! 5 minute accuracy! Use this same technique to set radial arm blades.

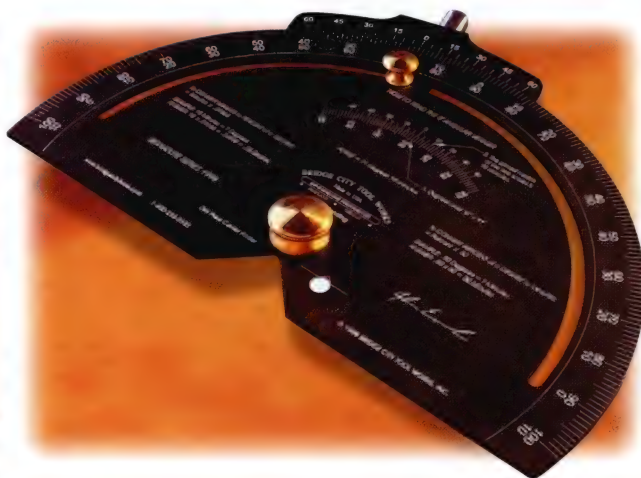
THE BAND SAW TABLE

The unique arm of the protractor nests against *any* band saw blade without teeth interference. In minutes, you can tilt your

saw table to any angle in 5-minute segments! And imagine returning to square in one or two minutes! (*fig. 2*)

THE DRILL PRESS TABLE

The **MP-8 MACHINE PROTRACTOR** *chucks directly into your drill press!* Tilting the drill press table to odd angles has never been easier or *more accurate*. This same concept



works with a tilting vise, jigs and fixtures, or tilted work held in a vise (*fig. 3*). It takes less than three minutes to adjust the relationship of the spindle to your workpiece in five-minute segments (*one twelfth of a degree*)! (*fig. 4*) Angled holes have never been easier.

Furniture making is one of a myriad of uses for the **MP-8 MACHINE PROTRACTOR** at the drill press. Whether you desire odd angles or perfect perpendicularity, there is not a better, faster or more accurate method!

Have you ever wanted to drill a hole at exact top dead center of round stock on your drill press? The **MP-8 MACHINE PROTRACTOR** plate is precisely “notched” (*fig. 5*) at the center axis of the protractor. With the **MP-8** chucked in your drill press,

slowly lower the tool over the top of any round stock and the loosened protractor will kick to one side or the other. Reposition your stock until the protractor reads “0”. Your spindle is now directly over top dead center! Wow!

THE SHAPER SPINDLE

The **MP-8 MACHINE PROTRACTOR** allows you to set the shaper spindles in 5-minute increments. It has never been easier to work to these tolerances!

THE JOINTER FENCE

Use the **MP-8 MACHINE PROTRACTOR** at either end of your jointer fence to set incredibly accurate angles! You don't need a t-bevel!

STATIONARY BELT SANDERS

It is easy to set tilting tables on stationary belt sanders by nesting the **MP-8 MACHINE PROTRACTOR** against the platten. Again, no need for a t-bevel!

EVERY THING ELSE...

The **MP-8 MACHINE PROTRACTOR** will allow you to set any adjustable bevel to *any* angle in 5-minute increments (*fig. 7*). This is how you transfer an angle to your radial saw, jointer fences, stock, etc.

The **MP-8 MACHINE PROTRACTOR** is a robust, unique and accurate measuring instrument. We believe the **MP-8** will quickly become one of your most used tools and a cherished shop companion.

MP-8 MACHINE PROTRACTOR
1101-129.....\$89.00 (CLUB \$80.10)

Custom Engraving: 5 characters.



FIGURE 1. ANY TABLE SAW MITER GAGE CAN BE SET DEAD-ON WITH THE MP-8!

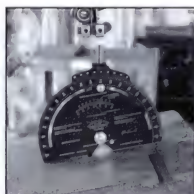


FIGURE 2. THE UNIQUE ARM OF THE MP-8 IS RELIEVED FOR THE SET OF BAND SAW BLADES. THIS IS A FAST AND EXTREMELY ACCURATE TOOL!



FIGURE 3. RETURNING THE DRILL PRESS TABLE TO PERFECT SQUARE IS A SNAP!



FIGURE 4. THE MP-8 IS THE FASTEST WAY TO SET ANGLES ON A DRILL PRESS.



FIGURE 5. THE MP-8 EFFORTLESSLY FINDS TOP DEAD CENTER OF CYLINDRICAL STOCK!



FIGURE 6. IF YOUR DRILL PRESS IS NOT TRUE IN THIS DIRECTION YOU HAVE A PROBLEM!



FIGURE 7. ANY ANGLE IN 5 MINUTE INCREMENTS CAN BE SET AND TRANSFERRED TO A T-BEVEL.

JOINTMAKER'S HAMMER

One of the most enjoyable aspects of working wood is using tools sized for the job. When it comes to hammers, invariably we use a tool much too large or heavy for the task. Think about it. Hammers come in almost every imaginable size and shape. What we have created are two small

A small hammer prevents you from overpowering your intent, eliminating oversized and unintentional strike marks.

hammers designed specifically for the bench woodworker. For inserting dowels, pins, or tapping delicate joints together, a dead-blow mallet just does not cut the mustard. For these sensitive tasks and a myriad of others, I've always relied on a small, antique hammer purchased at a garage sale. With the introduction of

our two new JH-1 JOINTMAKER'S HAMMERS, this positive experience is available to you. A small hammer prevents you from overpowering your intent, eliminating over-sized and unintentional strike marks.

The long, willowy neck of our flame-hardened and lacquered hickory handle, combined with the gracefully tapered end, is simply a joy to hold. The 10" inch handle offers a marvelous sense of accuracy and control that "fat" handled hammers simply cannot provide.

Our JH-1 JOINTMAKER'S

HAMMERS come in brass or a stainless steel head. They are double faced for delicate work and are securely blind wedged to the handle. The head measures $\frac{5}{16}$ " and $\frac{13}{16}$ " in diameter and weighs 3- $\frac{1}{2}$ ounces. Use the brass hammer with its soft face for those applications where you definitely do not want to leave a strike mark (never use a soft face hammer for nails or brads). For those applications where you may want to persuade a harder material, we recommend the JH-1 JOINTMAKER'S HAMMERS with a stainless steel head. See for yourself how these inexpensive tools can add richness to your woodworking experience.



JH-1S BRASS HAMMER

1102-074 \$39.00 (CLUB \$35.10)

JH-1H STAINLESS STEEL HAMMER

1102-075 \$41.00 (CLUB \$36.90)

Custom Engraving: JH-1S & JH-1H: 5 characters.

Important note: These are both soft-face hammers. They are designed to become beat-up and disfigured if used on metal and are not covered by our lifetime warranty.

TURNING TREE

The TT-1 TURNING TREE is a circular ruler designed primarily for furniture makers who use turnings in their work. The tolerance on each diameter is +0.005", -0.000", insuring that you will never again turn an undersized part.

The TT-1 is made of nine steel sections containing four precisely turned diameters for setting the distance of outside calipers. The major diameter of each section is marked with the diameters of all four "rings" which make up that section. All in all, there are 36 different reference sizes. The rings are sized by $\frac{1}{16}$ " to correspond with the most common drill sizes found in the wood shop (the largest is sized by $\frac{1}{4}$ "). Each color band represents a one quarter inch segment stepped by sixteenths. Individual sections can be removed and kept in your apron pocket as a quick reference while you are turning. Sections can also be used to size existing holes and are handy as circle templates.

The TT-1 comes with a beautiful rosewood base that displays and protects your investment. The TT-1 is a must for furniture makers who use turned components in their work.



OUTSIDE CALIPERS ARE EASILY AND PRECISELY SET WITH THE TT-1 TURNING TREE.



TO SET YOUR INSIDE CALIPERS, SIMPLY SET YOUR OUTSIDE CALIPERS AND TRANSFER THE SETTING FROM ONE TO THE OTHER.



INDIVIDUAL SECTIONS OF THE TT-1 TURNING TREE ARE ALSO HANDY AS CIRCLE TEMPLATES.

ACCURACY: +0.005", -0.000" TOLERANCE ON EACH DIAMETER.
TREE: COATED STEEL, RUST PROOF.
BASE: ROSEWOOD, PROTECTIVE FOOT PADS.

TT-1 TURNING TREE & BASE

1101-054 \$109.00 (CLUB \$98.10)

Custom engraving is not available.

OUR VERSATILE PRECISION PIN VISE

On a healthy and normal human hand, the middle finger, index finger and thumb perform the adroit tasks of holding and manipulating small objects. Working together they perform amazing feats of dexterity unmatched by machine or jig. The term "handmade" is in truth a tribute to the capabilities of the opposable thumb and his "two next door neighbors".

Unfortunately, members of this trio are often marched into harms way by a brain that neglects to completely calculate the risk/reward formula for safe work. When you avoid common sense and/or avoid work (laziness), an avoidable accident often occurs. If you buy into the excuse of "being human", it should come as no surprise these three digits encounter most of the finger injuries (or lead to most of the hand injuries) that occur in the shop. We are pleased to introduce a new tool that not only allows you to work safer, but also gives you the ability to work more precisely by freeing the demands on your fingers in the shop. Please meet the **PV-1 PRECISION PIN VISE**....

A pin vise is an age-old work-holding tool designed to secure work in the hand without placing your fingers at risk. The uses are wide ranging and numerous, and when used correctly, just may spare you an embarrassing trip to the emergency room.

Many (if not most) pin vises use a collet to secure round stock. Collet vises work fine but you need a much wider range of adjustment for use in a wood shop. We settled on a 1/4" three jawed chuck enabling you to grab and hold a wide assortment of tools and accessories for doing precise hand work.

THE MATERIALS

Turned from a solid stainless steel billet, the keyless chuck of the **PV-1 PRECISION PIN VISE** works smoothly and locks firmly on all round and hex shapes (within the capacity of the chuck). The hardened tool steel jaws are nickel-plated and will last for generations of use. The threaded chuck shaft is stainless steel and is plated with nickel and

finally brass plated for aesthetic considerations. Finally, a stainless steel jam-nut is included for aggressive counterclockwise rotary needs such as stubborn screw removal.



Each rosewood handle is hand turned and polished by our master turners. The overall feel of the tool is balanced and the appearance is a fitting continuation to our family of heirloom tools.

USES

Anytime you need to hold small tools, parts or other items firmly and safely, a pin vise is a logical choice. Drills, files, hex keys, screwdriver bits, nut drivers, and custom work are the tip of the iceberg for the **PV-1 PRECISION PIN VISE**. In addition to the three jaw capacity, we have a two jaw insert that will allow you to use #11 knife blades in the **PV-1 PRECISION PIN VISE** which can be extremely handy at times.

Simply place your tool or part to be held in the jaws, hand tighten and you have a firm hold on your work freeing your energies to explore your true creative potential. For those situations where you need exceptional counterclockwise rotational resistance, simply run the stainless steel jam-nut up to the chuck and wrench tighten. It is a superb tool.

Drilling, tapping, filing and countersinking are but a few applications for a pin vise. Holding metal components to a grinding or buffing wheel are very common applications. The chuck actually acts as a heat sink for those

jobs where abrasion is the primary operation, sparing your fingers from a hot part and sparing your family from this word: "@#!&%"! Any time you have had a small part ripped from your hand(s), you needed a pin vise. Any time you have dropped a hot metal part, you needed a pin vise. Anytime you want to accurately work with small components, you need the **PV-1 PRECISION PIN VISE**. This new tool is the delight of your toolbox and is full of surprise discoveries waiting to be put to work in your shop. Work smart and save your fingers—order the **PV-1 PRECISION PIN VISE** today!

"When you avoid common sense and/or avoid work (laziness), an avoidable accident often occurs...."

"We are pleased to introduce a new tool that not only allows you to work safer, but also gives you the ability to work more precisely by freeing the demands on your fingers in the shop."

—John Economaki

OVERALL LENGTH: 7-1/2 INCHES
LENGTH FROM BRASS FERRULE TO END OF CHUCK: 3 INCHES
LENGTH OF WOODEN HANDLE: 4-1/2 INCHES
WIDTH OF HANDLE (WIDEST SECTION): 1-1/2 INCHES
CHUCK CAPACITY: .004"-.250"

PV-1 PIN VISE
1101-144 **\$149.00** (CLUB \$134.10)

Custom Engraving: 5 characters.

SOME OF THE MANY USES FOR THE PV-1 PRECISION PIN VISE

COUNTERSINK

Using the **PV-1 PRECISION PIN VISE** to hold a countersink is a logical choice when working on delicate or small countersunk holes. It is safe and almost impossible to trash your work. It is also the perfect way to hold your single flute countersink when it needs to be sharpened.

SMALL PARTS

There is no better tool than a pin vise to hold small objects for secondary operations or for accuracy. Your fingers can only withstand so much force and have no business getting close to sanding belts, grinders and buffing wheels. The **PV-1 PRECISION PIN VISE** is not only a safe tool, but it is a smart choice to help you combat mistakes.

TAP

All small taps have a round shank that are easily and firmly gripped in the **PV-1 PRECISION PIN VISE**. This tool is a superb tap handle and is not easily lost! The weight of the tool easily helps in starting a tap and easily allows accurate tapping.

UTILITY KNIVES

With the two-jaw collet (*included*), you can easily grip #11 utility knives and other small flat stock.

DRILL

Drill reaming and drill sharpening are best done with a pin vise. Small shallow holes can be completely drilled by hand with surprising ease. Most important, sharpening twist drills is much easier when the drill is firmly held in the **PV-1 PRECISION PIN VISE**.

SCREWDRIVER BITS

Hex shank screwdrivers are a commodity in every hardware store. The **PV-1 PRECISION PIN VISE** holds them all. Straight, Phillips and square stock bits all work with equal ease. For stubborn counterclockwise screw removal, use the jam-nut at the base of the chuck shaft. This may be the most comfortable screwdriver handle in your shop!

HEX KEY HOLDER

The **PV-1 PRECISION PIN VISE** is a great tool handle for hex key wrenches. We cut the bottom of the "L" off of a hex wrench with the edge of a grinding belt and a straight hex key remains. This is easily chucked in the **PV-1 Precision Pin Vise** and works fantastic, much better than without!

NUT DRIVER

Small nuts are always a pain without a nut driver. The **PV-1 PRECISION PIN VISE** is an excellent tool handle for all the numerous hex shaft nut drivers available today.

FILES

Delicate shaping work is always first worked with a file. Needle files in particular have a nasty habit of never coming with a handle. Almost all have round shanks and fit the **PV-1 PRECISION PIN VISE** perfectly. We also have shaped the tangs on regular files to a round profile on a grinding wheel. The **PV-1 PRECISION PIN VISE** makes a great file handle and is amazingly fast when you need to switch between different files!

Two-jaw collet included. All other accessories not included.



COUNTERSINK



HARDWARE



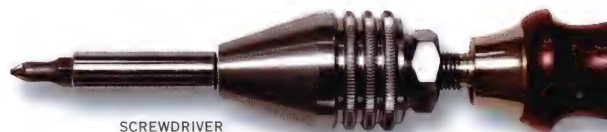
TAP



UTILITY KNIFE



TWIST DRILL



SCREWDRIVER



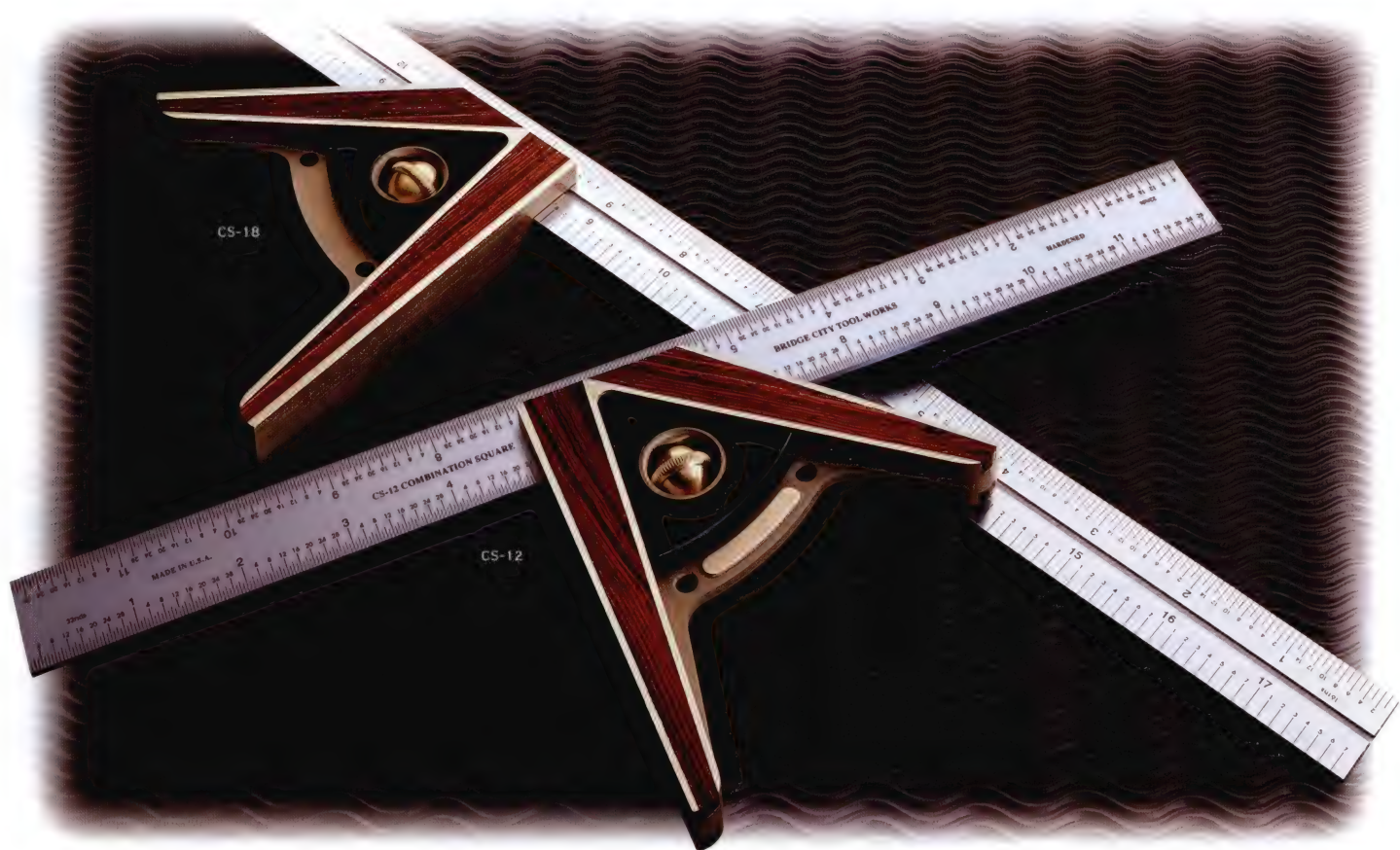
HEX KEY



NUT DRIVER



FILE



12" & 18" COMBINATION SQUARES

Bridge City Tool Works is pleased to produce the first new version of this basic design in over a century!

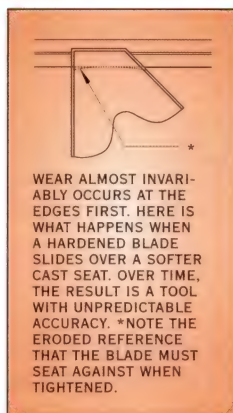
ACCURACY

By design, combination squares with sliding blades involve moving parts—and moving parts wear. Over time, the square head will erode from the blade movement across the cast reference surface. Like most abrasive erosion, this wear occurs at the edges first, creating a “rockered” surface that is extremely problematic for a reference layout tool.

Our tests, on a brand new combination square from a highly respected manufacturer, indicated that the 90° reference changed with less than sixty full length blade adjustments! It was minute, but continued to worsen and we became focused on addressing this issue in our own efforts.

ABOUT OUR DESIGN

With a commitment to accuracy and our traditional “look and feel” thoroughly addressed, we are pleased to introduce the CS-12 & 18 COMBINATION SQUARES, a welcome addition to our ever growing family of precision tools.



To ensure accuracy between the blade and the square head over time, we have recessed two steel friction pads into each COMBINATION SQUARE head that are much closer to the hardness of the steel blade. This allows us to use a brass body, which does not rust in humid environments. This tool maintains accuracy as well as a very unique appearance.

THE BLADE

Each CS-12 blade is 12" in length and is satin-chromed for excellent “readability”. Graduations on the CS-12 blade are both English and metric ($\frac{1}{32}$ " and $\frac{1}{2}$ mm). The CS-18 blade is in English only ($\frac{1}{32}$ ").

CS-12 COMBINATION SQUARE		
(PLEASE SPECIFY ENGLISH OR ENGLISH/METRIC BLADE)		
1101-082	\$149.00	(CLUB \$134.10)
CS-18 COMBINATION SQUARE (ENGLISH BLADE)		
1101-149	\$165.00	(CLUB \$148.50)
12" BLADE (ENGLISH/METRIC GRADUATIONS: $\frac{1}{32}$", $\frac{1}{2}$MM)		
1101-140EM	\$32.95	(CLUB \$29.65)
12" BLADE (ENGLISH GRADUATIONS ONLY: $\frac{1}{32}$", $\frac{1}{64}$", $\frac{3}{64}$", $\frac{1}{8}$")		
1101-140E	\$32.95	(CLUB \$29.65)
18" BLADE (ENGLISH GRADUATIONS ONLY: $\frac{1}{32}$", $\frac{1}{64}$", $\frac{3}{64}$", $\frac{1}{8}$")		
1101-123E	\$49.00	(CLUB \$44.10)

Custom Engraving: 8 characters.

THE SQUARE HEAD

The solid brass square head, inlaid with two precise rosewood infills on each side, is the heart of the COMBINATION SQUARE. Capturing the warm combination of wood and brass, this component is an inspiration as well as an accurately machined reference (within .002" on both the 90 and 45 degree legs of the tool). The grace, dignity and simplicity of

the combination squares create a stunning example of our motto, “Quality is Contagious”. Your efforts will significantly improve with these beautifully crafted tools in your hands.

SMALL COMBINATION AND DOUBLE SQUARES

Using tools sized for the job is one of the many joys of working wood successfully. As an example, the differences between building an armoire and a music box are simultaneously similar and different. Although the woodworking processes are very similar, the tools employed are different in size.

Towards this purpose, we are pleased and excited to introduce these two layout and measuring tools from our talented tool makers. Dust yourself off for a moment and learn about these valuable additions to your shop....

THE CS-6 COMBINATION SQUARE

The most popular tool in our history is the CS-12 COMBINATION SQUARE. This well-received tool is a rare combination of functionality and beauty without any sacrifice in performance. We are absolutely thrilled to utilize this winning combination again in the CS-6 COMBINATION SQUARE. This compelling design fills a substantial void for many projects where tool size makes the job at hand less cumbersome.

CONSTRUCTION

The head of the CS-6 COMBINATION SQUARE is cast from silicon brass. This durable alloy wears better than brass and is an excellent material for shops where moisture is a constant problem.

Each leg of the square head is precisely milled on CNC milling machines creating a tool with an accuracy runout of less than 0.002" over the length of a fully extended blade. Once milled, both legs are precisely fitted with a matched wood inlay, creating a look and feel that is the hallmark of an heirloom tool from Bridge City Tool Works, Inc. After de-burring and sanding, the wood is hand polished with carnuba wax. The web of the square head is satin-finished and lacquer coated. It is a strikingly beautiful tool and a proud addition to our family of legacy products.

The 6" ($\frac{3}{4}$ " width) blade is made from stainless steel and is satin-chromed for excellent readability. The graduations ($\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{1}{32}$ ", $\frac{1}{64}$ ") are photo-chemically etched and meet or exceed all U.S. and British accuracy standards for rules.

Because the steel blade is harder than the silicon brass body, there are two steel "wear plates" located at the bottom of the groove in the body. A quarter-turn of the locking knob is all it takes to adjust the length of the blade in relationship to the head. Once locked, the blade will remain in place until you need a change. This is the beauty of combination squares and their main function. The accuracy and beauty combination of the CS-6 is sure to instill the "joy of confidence" that only a well made tool can provide.

USES

There probably isn't a single bench project where this tool will not become indispensable, if not invaluable. Of course the main advantage of a combination square is the ability to adjust the blade to the head. One of my favorite uses is

cleaning up joints with a chisel. It is so nice to have a small square where you can check for accuracy and fit, where the weight or size of the tool does not overpower the intent. Often (*particularly with dovetail joints*) I will clamp a shop made wooden straight edge along the length of a carcass side for the purpose of accurately guiding my chisel. The position of this chisel guide is crucial. With the CS-6, you can extend the blade the correct offset and align the guide perfectly from left to right prior to clamping. (*Hint: Chisel guides or shooting boards work fantastic. If the length is over 12", you may need to run a strip of double stick tape on the underside of the guide to keep the guide from scooting.*)

CS-6

This simple small scale tool functions as a depth gage, height gage, small square, miter square and can be used with a scribe or pencil as a marking gage. It is the most requested tool on our customer "hot list," and we are thrilled to share it with you.

DS-6

Made to the same exacting standards and tolerance of the CS-6 is the DS-6 DOUBLE SQUARE. The DS-6 employs the same stainless steel blade. It is a gorgeous and venerable design you do not want to be without.

THE DS-6 DOUBLE SQUARE

Double squares are handy tools simply because they do not contain a 45 degree leg. And I have always enjoyed using this tool in conjunction with my other combination squares where you have multiple settings and don't really care to compromise consistency by constantly adjusting the blade length back and forth on the same project. This is usually a recipe for "gaposis" and the "putty cure" down the road.

Dovetail accessory blade works best in the DS-6, the blade will accurately layout 6:1 or 8:1 dovetails.

New!

CS-6 COMBINATION SQUARE	
1101-125	\$84.00 (CLUB \$75.60)
DS-6 DOUBLE SQUARE	
1101-126	\$79.00 (CLUB \$71.10)
DOVETAIL BLADE ACCESSORY	
1101-126-1	\$16.95 (CLUB \$15.25)

*Custom Engraving: CS-6: 5 characters;
DS-6: 8 characters.*

DS-6 WITH DOVETAIL
ACCESSORY BLADE



PG-5

MULTIPURPOSE PROFILE GAGES

Every craftsman eventually needs to cut a profile to mate precisely with an oddball shape. It is one of the most difficult and time-consuming tasks to do well.

USING A PROFILE GAGE

Each of our profile gages uses an array of spring tempered "fingers" meticulously straightened from 0.030" (.76 mm) stainless steel wire—as small as function will allow. As you slowly press the gage against your work, the fingers align themselves to the profile. You are now ready to trace the exact profile to your stock. It's fast, accurate and amazingly easy. With either the PG-10 or the PG-13 (which are both articulated), you almost always push the wire fingers into the profile from the back. The reason is simple—at any setting other than 180 degrees, the finger arrays are not parallel.

PG-13
SHOWN WITH AN
11" DIAMETER
PROFILE!



FIG. 5.

Even more unique, the PG-10 and the PG-13 are capable of capturing profiles beyond a centerline or "mirror axis". It's possible to "capture" the profile (fig. 4) prohibiting removal of the gage from the profile! No problem—simply unlock one section and remove both (or all three in the case of the PG-13) sections and reassemble the tool. The unique positive alignment of the joint (fig. 1), allows reassembly in exactly the same configuration as the original reading!

THE PG-5 PROFILE GAGE

This traditional profile gage features a working width of 4.82" (122 mm) and a working depth of 2.35" (59 mm).

Use the PG-5 for all molding patterns, model work, furniture making, linoleum and carpet cutouts, counter top cutouts, electrical and plumbing mating profiles and much more. One of my favorite applications is as a depth gage for seating hardware. Chisel the pocket for a hinge or lock set, take a "profile depth" reading with the PG-5 (or any section of the PG-10 or PG-13) and you will easily see the high spots needing further work. Another favorite application is custom drawer liners or tool racks.

Profile your favorite tools and transfer to your stock and cut the profile away. This will keep your tools in a unique place either on the wall or in a drawer. It's very impressive when done well!

THE PG-10 & PG-13 ARTICULATED PROFILE GAGES

Articulated profile gages are perfect for long or deep profiles and cannot be beat for speed or accuracy—it is the fastest way to capture difficult or deep profiles. Here is how they work....

The mating joint surfaces of the PG-10 and the PG-13 are indexed to each other. Loosen the locking knob(s) and align the two (or three) sections to approximately the tangent lines of your profile, and lock in place. (Note: The joints align at 180 degrees and "ratchet" every 20 degrees. The void between each finger array at 180 degrees is 2.2" or 55.8 mm.) Both wire arrays of the PG-10 and the center section of the PG-13 are identical in size to the PG-5. The two "wings" of the PG-13 each encapsulate a wire array that is 3.98" (101 mm). Pick the tool sized for the job and profile away!

Folded close to 90 degrees, the PG-10 PROFILE GAGE will take 4-1/2" deep profiles! The PG-13 allows for extremely large arcs (fig. 5) or profiles that until today were not possible with a profile gage. These tools are great for modeling, architectural details, furniture making, floor and ceiling cutouts and a myriad of other applications where a clean cut profile spells the difference between craftsmanship or slop.

For simple moldings and depth readings, square the wire fingers of your profile gage on a flat surface. Next, either push the tool against your profile or, for extremely delicate profiles it is easier to work the wires to the profile from the backside.

Whether you consider one, two or all three of these gages for your shop, your capabilities and projects will both improve with these handsome and useful tools at your disposal.



FIG. 4.



FIGURE 1. THE SAWTOOTH LOCKING JOINT GUARANTEES A POSITIVE, SLIP FREE JOINT THAT CAN BE DISASSEMBLED AND REASSEMBLED IN THE EXACT SAME LOCATION!

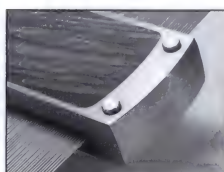


FIGURE 2. THE BOTTOM OF EACH PROFILE GAGE IS PROTECTED BY STAINLESS STEEL PADS, PROTECTING YOUR ROSEWOOD INFILLED TOOL FOR GENERATIONS.



FIGURE 3. THE UNIQUE DESIGN OF OUR ARTICULATED GAGES ALLOW FOR THE FINGERS TO OVERLAP. THIS SPEEDS THE PROCESS OF PROFILING DEEP OR "CAPTIVE" PROFILES.

PG-5 PROFILE GAGE		
1101-141.....	\$109.00	(CLUB \$98.10)
PG-10 DOUBLE PROFILE GAGE		
1101-142.....	\$209.00	(CLUB \$188.10)
PG-13 TRIPLE PROFILE GAGE		
1101-143.....	\$284.00	(CLUB \$255.60)

Buy All Three Profile Gages and SAVE \$52!

PROFILE GAGE SET		
510.....	\$575.00	(CLUB \$517.50)

Custom Engraving: PG-5, PG-10 & PG-13: 14 characters.

LIMITED EDITION MILLENNIUM BRACE

TODAY, centuries after the first brace was employed, methods for drilling deep, accurate holes in wood have not improved significantly over the venerable brace & bit—it is truly one of man's greatest tool inventions.

As we begin a new millennium, the toolmakers of Bridge City Tool Works are paying tribute to this marvelous invention by proudly offering to you the "MILLENNIUM BRACE & BIT SET". This heirloom millennium commemorative tool is being produced in a limited quantity of 2000 sets through 2000, and is unquestionably the finest tool to come from our shop.

THE BITS

There is a simple joy that occurs as you watch a sharp precision bit effortlessly bore its way straight and true with a brace. The mechanical ease and feel is unrivaled by other methods. Each single flute bit is carefully machined to exacting standards—they are the smoothest cutting bits we have ever tested and we know of no finer bits made today. As an added bonus, the unique tang allows for use in three-jawed powered drills (500-700 rpm maximum) with zero slippage in the chuck. Made in Japan, these 17 extraordinary bits will provide several lifetimes of enjoyable use.

THE BRACE

Made from manganese bronze, a gorgeous metal that rivals steel in strength, this design leaves an unforgettable impression. The rosewood top knob rides on ball bearings seated in stainless steel races. Each rosewood handle is hand-turned and polished, the fit and finish is impeccable. No tool in the hand creates a more romantic and memorable sensation. This brace (4" throw) has no rivals when it comes to function or presence.

THE CHUCK

This three position, ratcheting chuck releases right, left or locks. CNC turned from stainless steel billets, the keyless chuck locks firmly for all applications. The chuck shaft smoothly resides in an oil-impregnated bronze bearing. No brace has ever employed a more accurate or thoughtfully crafted chuck.

*Manganese Bronze.
Rosewood. Stainless steel.
Ball bearings.
A timeless design.
Old-World craftsmanship.
Brace yourself
for the new Millennium!*

APPROXIMATE
LENGTH:
15"

We have been handcrafting tools for seventeen years and our tools appeal to those who care for the very best—the Millennium Brace and Bit Set is no exception. This, our finest effort, represents a limited opportunity we hope you carefully consider.

THE OFFER

Each "Signature Series" Brace and Bit Set is from a limited Millennium edition of 2,000 and is sequentially numbered, and hand signed by the designer, John Economaki. Each will arrive with a unique Certificate of Authenticity. All orders will be filled on a first-come first served basis. The optional solid walnut display case for the brace and the bits is available for \$95.00. Shipping & Insurance for this special offer is \$14.95 (this is an unusually heavy parcel).

17 SHARP BITS ARE INCLUDED.

SIZES: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-1/2", 1-3/4", 1-1/2".

THESE FINELY CRAFTED BITS FEATURE A SPECIALLY DESIGNED TANG THAT PREVENTS SLIPPING IN ANY THREE JAWED CHUCK.

MILLENNIUM BRACE & BIT SET.....	\$799.00	(CLUB \$719.10)
MILLENNIUM BITS 17PC SET	\$289.00	(CLUB \$260.10)
MILLENNIUM BRACE (WITHOUT 17PC BITS)...	\$525.00	(CLUB \$472.50)
WALNUT DISPLAY CASE.....	\$95.00	(CLUB \$85.50)

Custom Engraving: 15 characters.

Important Note: A 50% deposit (plus shipping) is required to secure your order.

For details on individual bit prices or our Easy Payment Plan, please call 1-800-253-3332.

SIGNATURE MEDALLIONS AND MONOGRAMS



We have not seen a more beautiful or more graceful way to honor a well-crafted piece and identify your work for heirs, friends or customers than our custom etched medallions.

Distinguish Your Work with these Inexpensive Custom Medallions!

Precision cut from maple, cherry, walnut or rosewood, these distinctive medallions are an elegant identification for all woodworking projects. Simply drill a 1" diameter hole $\frac{3}{8}$ " deep and adhere a medallion etched with your unique signature and year of manufacture. They look great on cabinets, desks, beds, chairs, turnings, cases, humidors, music boxes, toys, musical instruments and much more!

ABOUT THE DRILL

We recommend a quality 1" Forstner type drill bit. We don't recommend the use of inexpensive, construction grade "spade" bits.

ABOUT THE MESSAGE

For commercial work, we recommend the "Crafted by Hand" and year medallion. (*Your audience may not know you.*) If you give

your work away, we recommend the "Crafted by" and year medallion. (*Your audience probably does know you.*) For gallery quality work, we recommend a blank medallion with your etched signature and year.

COST

There is a one-time art conversion expense of \$17.95 to scan, digitize, optimize and size your signature. (Custom Logo art is \$35.95.) Choose the appropriate order quantity and pricing from the chart.

OUR SPECIAL MEDALLION SAMPLER PACKAGE IS YOUR BEST BUY!

This popular twenty medallion package includes five cherry, maple, walnut and rosewood medallions for \$39.95 plus the one-time art charge of \$17.95 for a total of \$57.90. You'll also receive four free blank medallions (one in each species) for practice purposes. Don't delay-order today!

HOW TO ORDER MEDALLIONS

1. RETURN YOUR SIGNATURE OR LOGO ON A WHITE PIECE OF PAPER.
2. PICK THE MEDALLION STYLE.
3. PICK YOUR WOOD (OUR SAMPLER PACKAGE INCLUDES ALL).
4. WE DO THE REST!

Our Sampler Package is our best buy, or select the quantity that fits your needs and calculate the price accordingly. If you get confused, give us a call at 1-800-253-3332, and we'll help you get started. For quality reasons, we are unable to process FAX orders or photocopied signatures regarding custom medallions.

MEDALLION ORDER FORM

ITEM	ORDER	PRICE	QTY	CHERRY	QTY	MAPLE	QTY	WALNUT	QTY	ROSEWOOD	TOTAL	
5 MEDALLIONS	M5	N/A		\$14.95		\$14.95		\$14.95		\$17.95		
10 MEDALLIONS	M10	N/A		\$26.95		\$26.95		\$26.95		\$29.95		
20 MEDALLIONS	M20	N/A		\$48.95		\$48.95		\$48.95		\$51.95		
20 PC. SAMPLER	SMP	\$39.95		5 of Each Wood: Cherry, Maple, Walnut & Rosewood								
SIGNATURE	ART	\$17.95	1	One Time Art Fee to Scan & Digitize Your Signature								
CUSTOM LOGO	LGA	\$35.95	1	One Time Art Fee To Scan & Digitize Your Custom Logo								
1" DRILL BIT	138	\$16.95		1" Drill Bit, 3/8" Shank								
IMPORTANT: PLEASE PICK ONE OF THE FORMATS BELOW FOR YOU MEDALLION						<div>*MEDALLION TOTAL</div> <div>*CLUB MEMBER TOTAL Multiply Medallion Total by .90</div>						
<input type="checkbox"/> CRAFTED BY HAND / SIGNATURE / YEAR			The year can be omitted upon request but for the sake of your heirs or customers, we do not recommend this practice.									
<input type="checkbox"/> CRAFTED BY / SIGNATURE / YEAR												
<input type="checkbox"/> SIGNATURE / YEAR												

MONOGRAMS

Monograms really make your work stand out from the crowd. Pick your wood, pick your font style and at \$12.95 for a set of five identical letters, you can't beat this unique way to add flair to your projects. This is an incredibly peerless way for you to create exciting new products. Use on boxes, letter openers, bookends, humidors, cases, etc. The choices are endless! Have fun experimenting with these unique and fun medallions.



HOW TO ORDER MONOGRAMS


Monograms are \$12.95 for 5 identical letters in the same wood. Let us know the following information: Font choice, wood choice and letter. It is very easy.

*If you are ordering only the Medallions and/or the Monograms, please add \$5.00 to your Total for shipping and handling.

Please allow 8-12 weeks for delivery of Signature Medallions and Monograms.

MONOGRAM ORDER FORM

EMBOSS: A Fun Font That Creates a 3-D Effect.	QTY	LETTER
A B C D E F G		
STEPPED: A Dramatic Font Used for Emphasis.	QTY	LETTER
A B C D E F G		
CARVED: A Font With Hand-Carved Appearance.	QTY	LETTER
A B C D E F G		
SCRIPT: A Formal Font With a Feminine Touch.	QTY	LETTER
A B C D E F G		
ATTITUDE: A Wild and Crazy Font.	QTY	LETTER
A B C D E F G		
LEONARDO: A Famously Beautiful Font.	QTY	LETTER
A B C D E F G		
OUTLINE: A Great Looking Universal Font.	QTY	LETTER
A B C D E F G		
FANTASY: A Daydreamer's Font.	QTY	LETTER
A B C D E F G		
QUANTITY TOTAL		
SUB TOTAL Multiply Quantity Total by \$12.95		
ITEM 138: 1" Drill Bit, $\frac{3}{8}$ " Shank	\$16.95	
*MONOGRAM TOTAL		
*CLUB MEMBER TOTAL Multiply Monogram Total by .90		



"Measure Twice, Cut Once." You've Heard It Many Times, Now Here's the Book....

Measure Twice, Cut Once is full of helpful secrets that old master woodworkers have tucked in their heads. Even a seasoned pro can apply these timeless, fool-proof techniques to increase productivity and dampen frustration. (Richly illustrated, 118 pages, softbound)

MEASURE TWICE, CUT ONCE
4428-001 \$22.95 (CLUB \$20.65)



TWO Great Gift Ideas from Bridge City!

Either of these two rosewood inlaid pocketknives with scissors will be cherished by that special someone in your life. Each features a very sharp knife and a small pair of scissors. One is configured as a money clip and the other a key chain. Beautifully crafted and made to last a generation. Highly recommended.

MONEY CLIP POCKET KNIFE/SCISSORS
8820-003 \$53.95 (CLUB \$48.55)

KEY CHAIN POCKET KNIFE/SCISSORS
8820-004 \$51.25 (CLUB \$46.10)

The "Blade Lock" is the Safest and Fastest Way to Change 10" Table Saw Blades!

The problem with the "wood method" of changing blades is that it can ruin blades in addition to your knuckles. The inexpensive, all nylon "BLADE LOCK" is a patented invention that prevents over-tightening and yet allows you to easily remove a blade without any risk to your hands, saw or blade. Why this wasn't thought of years ago is a mystery to us. Great gift item! (P.S. Please remember to always unplug your saw when changing blades.)

10" BLADE LOCK
8840-001 \$21.95 (CLUB \$19.75)



Amaze Your Friends. Amaze Your Family. Heck, You'll Amaze Yourself with the Projects You Can Make From This Fantastic Book!

If no other wooden model book has captivated your attention, *Making Wooden Mechanical Models* is sure to entice your imagination! Over 140 pages, filled with over 340 expertly photographed illustrations, demonstrate the thrill of building 15 machines with small wooden parts. The projects are complete with material lists and diagrams, along with a challenging variety of techniques and procedures—from laminating and tenon wedging to precision drilling, pegging and whittling. A clever sampling of projects with exciting movable parts for rigs, engines and machines. (138 pages, softbound)

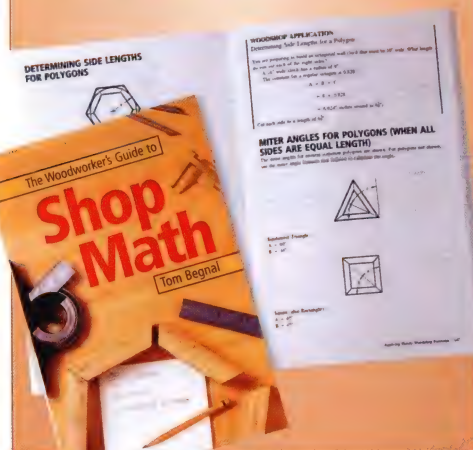
MAKING WOODEN MECHANICAL MODELS
4428-005 \$21.95 (CLUB \$19.75)



Face It, It's Been a Few Years Since You Were Caught Shooting Spit-Wads in Math Class....

You shouldn't be condemned to putty filled joints for the rest of your life just because you were an immature, pre-pubescent goof-ball in 8th grade. Here's the best and most concise shop math book we have reviewed. *The Woodworker's Guide to Shop Math* is full of all the stuff you were told was important but could not fathom "way back then". Buy this book, keep it in your shop, start saving time and throw the putty away! Highly recommended, covers every imaginable geometric math need in a wood shop. (202 pages, softbound)

THE WOODWORKER'S GUIDE TO SHOP MATH
4428-003 \$22.99 (CLUB \$20.69)



Developed by Boeing, Boeshield is an Indispensable Shop Must!


We invite you to try BOESHIELD in your shop as you will find like we did, this stuff works magic! It is a non-greasy lubricant, great for power tools and all moving parts made from metal. BOESHIELD is a phenomenal rust inhibitor and even works as a superb finish film for your tools. Use it on all machine tops, rulers, you name it, if it is made from metal, BOESHIELD will help protect and lubricate. Highly recommended!

1 OZ. LIQUID
2213-001 \$4.95 (CLUB \$4.45)

4 OZ. AEROSOL
2213-004 \$9.95 (CLUB \$8.95)

12 OZ. AEROSOL
2213-012 \$15.95 (CLUB \$14.35)

BOESHIELD 3 PIECE SET
2213-030 \$25.95 (CLUB \$23.35)



Teach Yourself Woodturning with the Best Self-Help Book on the Subject!

We have never seen a more richly illustrated or practical guide on woodturning. *Woodturning: Two Books in One* is a unique and revolutionary (pun intended) two-piece book that will allow you to master the basics of woodturning in two or three afternoons of projects. An added treat and benefit of this remarkable book is the gallery of work to inspire you to greater heights. Very highly recommended! (128 pages each, softbound)

WOODTURNING: TWO BOOKS IN ONE
4408-064 \$19.95 (CLUB \$17.95)



Many Times "Little Spaces" are the Best Spaces!

There's no question, I feel the best when I am in spaces that feel comfortable, warm and cozy. It's ironic in our society today that many people chase big houses with big rooms and yet they feel empty when they come home. This gorgeously photographed book is chock-a-block with ideas on how to create extraordinary environments that will "call to you" when you walk by. *Best Little Houses* is full of imaginative, beautiful ideas you can put to use to make every inch of your home a meaningful space. From the editors of Home magazine, *Best Little Houses* is a terrific reference for all who care about the spaces in which they live. (144 pages, hardbound)

BEST LITTLE HOUSES
4408-069 \$25.00 (CLUB \$22.50)



The Sandflex is Truly Amazing!

SANDFLEX is great for cleaning and polishing all kinds of metal. An abrasive rubber, somewhat like a pencil eraser, is saturated with silicon carbide particles that slough away discoloration and surface scratches in metal. SANDFLEX is self-sharpening, will not clog or dull like sandpaper and is easily cut with a knife to conform to irregular shapes. Use coarse for quick cleaning and the fine for polishing. Each is 3"x 2"x 3/4".

SANDFLEX, COARSE (60 GRIT)
6206-001 \$6.95 (CLUB \$6.25)

SANDFLEX, FINE (240 GRIT)
6206-002 \$6.95 (CLUB \$6.25)

SANDFLEX SET, 1 FINE & 1 COARSE
6206-003 \$13.00 (CLUB \$11.70)



Just Imagine—Nine Tools in the Space of a Credit Card!

Some ideas are just hard to resist. Whether you are a wannabe Cold War spy, a modern-day Renaissance Man, or a tool addict (like me), the *CREDIT CARD COMPANION* is an amazing feat of engineering. Count 'em down; (1) Serrated knife with 2" blade, (2) Flat screwdriver (3) Bottle opener/Can opener, (4) Awl, (5) 8X power lens, (6) Compass, (7) Tweezer, (8) Toothpick, (9) Inch/cm ruler. At 1.3 ounces and 1/8" thick, you'll never be without an emergency set of tools. One of the best gift items in our catalog.

THE CREDIT CARD COMPANION
8825-001 \$24.95 (CLUB \$22.45)



At Last! Here's How to Make Attractive Wood Handles, Hinges and Knobs....

One of the quickest ways to ruin a nice project is by attaching inappropriate hardware. One solution is to learn how to make your own from wood! *Making Wood Handles, Hinges & Knobs* is a delightfully refreshing look at this oft-overlooked process. Included are detailed steps for 23 projects. (144 pages, softbound)

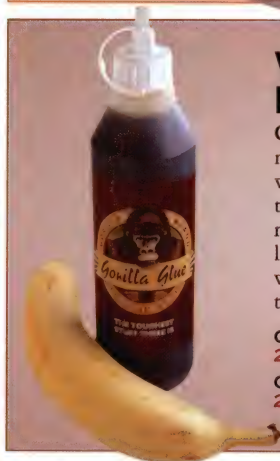
MAKING WOOD HANDLES, HINGES & KNOBS
4408-045 \$17.95 (CLUB \$16.15)

You'll go Bananas for this Adhesive, Please Meet Gorilla Glue....

GORILLA GLUE contains no solvents, is 100% waterproof, requires no mixing or additives, will bond woods of all types including exotics and wet wood up to 25% MC, does not clog sandpaper and is environmentally friendly. It will also bond stone, cleaned brass, aluminum, iron and most plastics. GORILLA GLUE is as strong or stronger than white or yellow glues and does not dull tools. Coverage is approximately 2-3 times what you are used to so a little bit goes a long way. We are hooked on this product and you will be too!

GORILLA GLUE, 18 OZ BOTTLE
2202-001 \$19.95 (CLUB \$17.95)

GORILLA GLUE, 8 OZ BOTTLE
2202-002 \$13.95 (CLUB \$12.55)



Build This Extraordinary Pedestal Parlor Kaleidoscope and Watch Your Friends Drool with Envy!

These plans will guide you in producing one of the most unique woodworking projects of any generation! Kaleidoscopes are fun, fascinating and very enjoyable. You should have no difficulty in reproducing this exciting project! (44"H with 12" Long Scope)

PEDESTAL PARLOR KALEIDOSCOPE PLANS
9929-007 \$13.90 (CLUB \$12.51)



If You Have a PC or Mac, You Need to Check Out this Amazing New \$49.95 Productivity Breakthrough!

Back in 1993, I read an article on Burt Rutan, designer of the amazing airplane that flew non-stop around the globe—the Voyager. The accolades he lavished upon Vellum (a new computer aided design software program-CAD) were impressive. The price was equally impressive—\$3,000!

CHECK OUT THESE FEATURES:

- UNITS IN FEET OR METERS, DECIMALS OR FRACTIONS
- SIMPLE GEOMETRY TOOLS USING POINT, DRAG, AND CLICK
- SIMPLE ASSOCIATIVE DIMENSIONING TOOLS
- MECHANICAL AND ELECTRICAL SYMBOLS

I later witnessed a demo of Vellum. Certain this program could improve my ability to communicate while increasing productivity, I justified the \$3,000 and waited for a serious bout of buyer's remorse. It never came....

At last, somebody designed a drawing program that works exactly the way you think with a pencil in your hand. It was the single best productivity investment I have ever made. Although I paid \$3,000 for this convenience, you can experience the identical 2D heart and soul of Vellum, the patented Drafting Assistant for \$49.95. This is not a joke—\$49.95! Please meet **DRAWINGBOARD LT**, the best drawing tool we have seen for woodworkers.

The Drafting Assistant is a drawing genius. For example: Take your mouse and click on the line tool. Move the cursor to the drawing area, click and hold for the beginning of a line. Move the cursor around on the drawing and the Drafting Assistant comes to life telling you when you're perfectly vertical, horizontal or any angle in between. It gets better. It automatically recognizes relationships between geometry, such as Tangency's, Center Points, Perpendiculars, Endpoints, Midpoints, Quadrants and more. There is no guesswork involved in placing or constructing geometry. It is remarkably efficient and EASY. And we guarantee you will be making meaningful drawings in less than two hours!

DRAWINGBOARD LT is lightning fast, accurate to enough decimal places to make Einstein turn in his grave and easy enough for a second grader on Ritalin!



DRAWINGBOARD LT makes drawing anything from simple landscapes, floor plans, furniture, decks, to miniscule nuts and bolts intuitive and easy. Create drawings for complex projects, bureaus, chairs, beds, tables, boxes...you name it. Your new dimensioned drawings will eliminate mistakes and waste. The manual is excellent but I will be surprised if you need it!

More importantly, we have selected **DRAWINGBOARD LT** as the CAD standard for our web site. bridgecitytools.com features CAD projects, and drawings done by fellow **DRAWINGBOARD LT** users that can be easily downloaded and read, edited or modified with **DRAWINGBOARD LT** on your computer. This is a remarkable way to communicate with the **DRAWINGBOARD LT** design world! If this interests you, you need **DRAWINGBOARD LT** today!

Don't delay, find out for yourself how much fun drawing can be, for \$49.95 you can't lose! (Please specify Windows or Mac. Media format is 3-1/4" diskettes.)

DRAWINGBOARD LT

8813-020 \$49.95 (CLUB \$44.95)

IMPORTANT NOTE: VELLUM IS A 3D PROGRAM. YOU SIMPLY DO NOT NEED TO PAY \$3,000 FOR HOME SHOP USE. SECOND, AS A 2D PROGRAM, DRAWINGBOARD LT CONTAINS APPROXIMATELY 80% OF THE CAPABILITIES I USE DAILY.

MINIMUM SYSTEM REQUIREMENTS:

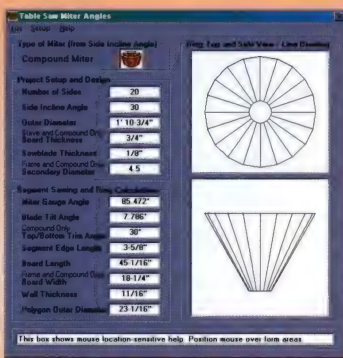
IBM COMPATIBLE: 386-25DX, 8MB RAM, 12MB HD SPACE, WINDOWS 3.1 OR LATER.

MACINTOSH: MAC II W/ MATH CO-PROCESSOR OR PPC 6100, 8MB RAM, 12MB HD SPACE, SYSTEM 7.0 OR LATER. POWER MACINTOSH G4 IS NOT COMPATIBLE.

TECHNICAL SUPPORT FROM ASHLAR IS NOT AVAILABLE. PLEASE CONTACT BRIDGE CITY TOOL WORKS FOR ASSISTANCE.

If You Own a Table Saw, You Owe it to Yourself to Review This Dynamite NEW Software Program!

Without question, this little \$19.95 program is the definitive solution to cutting compound angles. Not only does it give you miter gauge and saw blade angles for every imaginable number of sides (up to 10,000), but it also calculates the board length based on your stock thickness—NIFTY!



With built in compatibility for our **AM-1 ANGLE MASTER** (see page 12) and our new **MP-8 PROTRACTOR** (see page 34), compound miters are a breeze. And, once you decide what you want to make, it draws a picture of your project in plan view for your review. In

addition, it works for frame, stave and compound miters—all on a single form screen. Finally, it allows for you to configure the program for your table saw without subtractions (i.e., Some table saw miter gauges read "0" when perpendicular to the blade and others read "90").

This is the perfect program for woodworkers who make segmented bowls, pedestals, sculpture stands, and numerous furniture applications where you want grace and beauty instead of plain

90 degree work. Reads in decimal or fractional inches and metric. Works on Windows 95, 98 and NT only.

TABLE SAW MITER ANGLE SOFTWARE

8822-001 \$19.95 (CLUB \$17.95)



Get Dead-On, Chatterless Counter Sinks With This Single Flute Counter Sink.

A single flute counter sink will only make PERFECTLY concentric counter sinks, it's the multiple flutes which cause chatter. This is the best woodworking counter sink we have ever used. (1-1/4" diameter)

**82-DEGREE COUNTERSINK, SINGLE FLUTE,
3/8" SHANK DIAMETER**
7601-012.....\$24.95 (CLUB \$22.45)

Wow! EVERYTHING You Need to Know Regarding Curved Woodworking!

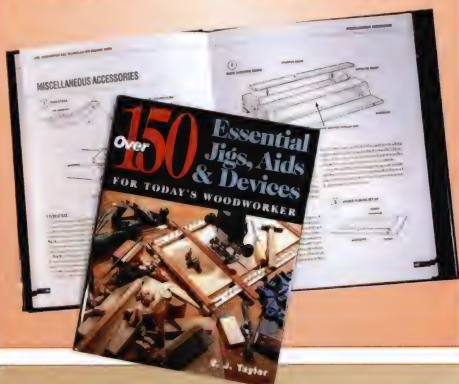
Imagine all the things you could make if you just knew how. This is particularly true with the grace and beauty curved work provides. *Circular Work in Carpentry and Joinery* is the most comprehensive discussion of this little understood process I have seen. Originally written in 1886, this information fell to the wayside with the advent of the Modernist movement. Recently reprinted after sitting idle since 1911, I highly recommend obtaining a copy of this book before it goes out of print. You are guaranteed to learn much in this thorough bible on complex and compound circular techniques. Highly recommended. (126 pages, softbound)

CIRCULAR WORK IN CARPENTRY AND JOINERY
4420-001.....\$21.95 (CLUB \$19.75)

Over 150 Essential Jigs, Aids & Devices for Today's Woodworker!

Tame the complexities and repetitiveness of woodworking with any of these clever ideas. Packed with shop projects sure to increase your productivity and accuracy, this clever compendium of ideas is a winner. Once you peruse its pages, you will rarely be stumped by workshop problems again. (184 pages, hardbound)

OVER 150 JIGS, AIDS & DEVICES
4408-057.....\$24.95 (CLUB \$22.45)



Looking For Something Unique and Different to Make? Try Making a Tabletop Fountain!

For many people, the soothing sound of water trickling through a fountain is instantly calming and relaxing. Now you can make these interesting projects with the aid of *Tabletop Fountains*. The techniques are simple, the materials are inexpensive, but the results are very impressive. Photographs and complete instructions are included for making 40 great fountains, or take the information and design your own! Highly recommended. (128 pages, softbound)

TABLETOP FOUNTAINS
4408-066.....\$17.95 (CLUB \$16.15)



For Absolutely All Metals, A Fine Polishing Creme from MAAS®

The MAAS® polishing system removes residue, rust, tarnish, oxidation and bonds an ultra thin protective coating to metal surfaces, sealing out elements that exacerbate damage. MAAS® provides a rich luster for antiques, jewelry, models, musical instruments, sports equipment, the kitchen and bath, automotive restoration, even aircraft! Available in 2 oz. and 4 oz. tubes.

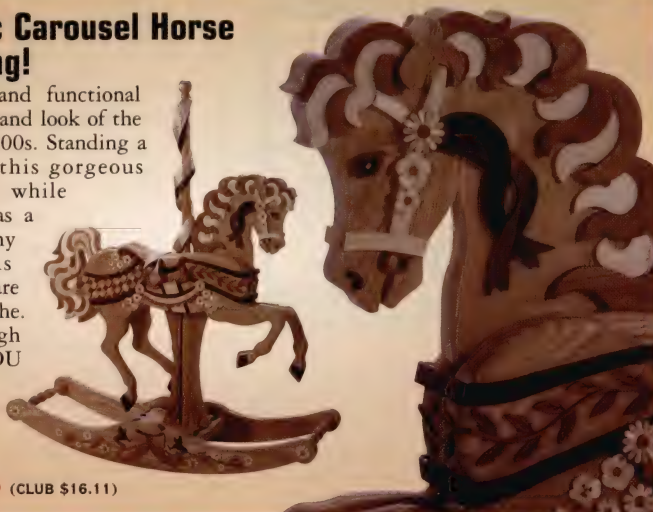
MAAS® POLISH 2 OZ.
6204-001.....\$4.50 (CLUB \$4.05)
MAAS® POLISH 4 OZ.
6204-002.....\$7.00 (CLUB \$6.30)



Build This Majestic Carousel Horse Without Any Carving!

This stunningly beautiful and functional rocking horse captures the grand look of the carousel animals from the 1800s. Standing a majestic 27" at the seat, this gorgeous beauty behaves patiently while awaiting a young rider or as a decorative focal point to any room! The primary tools needed to craft this heirloom are a bandsaw, router and a lathe. Make sure you buy enough wood for two because YOU WILL be asked to make another! (34" L x 16" W)

WILDFLOWER ROCKING HORSE PLANS
9929-008.....\$17.90 (CLUB \$16.11)



You'll Receive Plenty of Compliments in this Handsome Hat!

Here's a hat we're proud to put our moniker on. Made of black cotton twill with a tan suede bill and adjustable suede strap in the back. A classy looker, made in America. One size fits all.

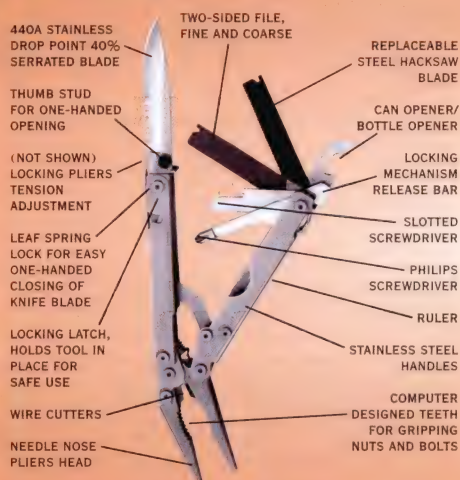
BRIDGE CITY HAT
6924-003.....\$15.95 (CLUB \$14.35)



The Complete Course on Making Walking Sticks!

We just love the Guild of Master Craftsman Publications and their latest, *Stick Making a Complete Course*, is a gem. For your perusal, there are 22 diverse sticks and beautiful. *Stick Making* is a definitive effort and a valuable addition to your woodworking library. In addition, it is fun reading. Highly recommended. (152 pages, softbound)

STICK MAKING A COMPLETE COURSE
4408-037.....\$17.95 (CLUB \$16.15)



Here's a Multi-Tool That You Will Never Want to be Without!

We have never seen anything like the **KERSHAW MULTI-TOOL**. Simply put, this is one heck of a tool featuring a **LOCKING** needle nose pliers head that leaves both hands free! Made in the USA, this is an excellent piece of engineering. You won't find a sane person who doesn't covet this precision crafted gem. No toolbox, tackle box, glove box, boat, RV, truck or kitchen should be without at least one of these fine instruments. Comes with a belt case and a lifetime warranty! Gift ideas aren't any easier than this one!

KERSHAW MULTI-TOOL
8820-001.....\$99.95 (CLUB \$89.95)

Less Oil Means Less Waist! Here Is Our Favorite Kitchen/Diet Tool!

Rarely will a tool allow you to eat healthier. This new patented dispenser is a gourmet oil sprayer allowing you to spray your favorite vegetable/olive oils on salads, bread, pasta, meat and fish. Here's how it works....

Simply pour approximately 1/2 cup of your favorite oil into the FDA approved container. Pump the cap to pressurize and you are ready to spray a light even mist of oil on your cooking pots, pans or favorite food. No harmful propellants or chemicals, brushes, bowls or basters, and No Mess! You'll never have to buy another can of the no-stick propellant sprays again!

MISTO® is the safest way to prevent the transmission of bacteria on meats and poultry (opposed to using brushes) and dispenses much less oil than drizzling or slopping with a spoon or spigot. Controlling the amount of fat in the diet without changing the recipe is a winning strategy! Less oil means less waist!

Works great on bruschetta, grilled vegetables, and with flavored oils, you can create dynamite dishes in the kitchen or out on the grill. This is a great gift idea. Use one for the grill, one for vegetable oil, one for olive oil and one for garlic olive oil, or....

And if you think this sounds easy, clean up is even easier! Don't delay, **MISTO®** today! Free recipes included!

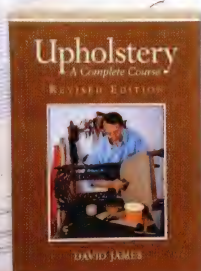
MISTO® GOURMET OIL SPRAYER
9950-001.....\$19.95 (CLUB \$17.95)



Anybody Who Has Spent Time in a Wood Church Pew KNOWS Why This Book Was Written....

The Guild of Master Craftsman Publications has updated and expanded the best seller *Upholstery, A Complete Course* in this new release. There are no mysteries to doing your own upholstery with this definitive resource in your library. *Upholstery* is a completely illustrated how-to manual on how to make and upholster your own furniture, and is the best resource of its type we have reviewed. Highly recommended. (309 pages, softbound)

UPHOLSTERY, A COMPLETE COURSE
4408-072.....\$21.95 (CLUB \$19.75)



Your Fingers Should Never Have a "Close Encounter" With a Table Saw, Router, Jointer or a Shaper. Here's the Finest Push Stick We Have Tested.

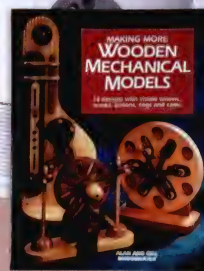
This American-made push stick keeps your fingers away from danger and actually helps you do more precise work because of the leverage generated against your work piece. Comes with two removable, replaceable soles to adapt to various work holding situations. We strongly recommend this highly visible and functional aid for every shop.

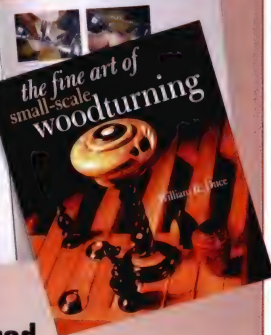
SAFETY PUSHSTICK
6303-001.....\$18.95 (CLUB \$17.05)
REPLACEMENT SOLES
6303-002.....\$8.95 (CLUB \$8.05)

Here's the Sequel to One of the Best Selling Books in Our Catalog!

There is nothing more rewarding than taking a chunk of scrap wood and making something that is cool, kinetic and delights all! Here are 13 additional ingenious mechanical marvels with complete, step-by-step instructions—you will be amazed at what they can do! *Making More Wooden Mechanical Models* is the second volume of neat shop projects from Alan & Gill Bridgewater (see page 43 for first volume). My personal favorite is the film advancement project! Highly recommended. (126 pages, softbound)

MAKING MORE WOODEN MECHANICAL MODELS
4428-013.....\$24.99 (CLUB \$22.49)





Ever Wondered How Turnings as Small as a Toothpick are Done? Here are the Secrets to Miniature Turnings....

Some of the rare wood scraps in your shop could become heirloom treasures once you learn the techniques of making miniature turnings. All of the projects and techniques in *The Fine Art of Small-Scale Woodturning* are six inches in size or smaller. There is a marvelous array of projects for you to choose, all small, all elegant, all inexpensive and many can be completed in a day! Broaden your horizons by looking inward and turning away! (144 pages, softbound)

THE FINE ART OF SMALL-SCALE WOODTURNING
4408-065.....\$19.95 (CLUB \$17.95)



Make the Most of Your Outdoor Spaces Using these Beautiful Tips and Techniques!

When the winter blahs fade into spring sunshine, it's only natural to want to "live outside". *Outdoor Living With Style* shows you how to make the most of your outdoor spaces. This stunningly photographed collection of inspiring ideas will help you create comfortable living spaces that maximize the beauty of the great outdoors. It doesn't have to cost \$\$\$ to create meaningful and soulful transition spaces that are inspiring, convenient and livable! From the editors of *HOME* magazine, this is a timeless classic "idea book" that captures the sights and sounds of outdoor spaces both small and large. This is a beautiful book. (144 pages, hardbound)

OUTDOOR LIVING WITH STYLE
4408-068.....\$25.00 (CLUB \$22.50)

Two Miracle Adhesives.

Each of these industrial adhesives has unique properties suitable to every shop. CA-5 is used for filling pin knots or cracks. Simply pack the area with saw dust, apply a drop or two of CA-5, and you have created the best wood fill we have ever seen. Takes seconds to dry! We use CA-8 to bond metal to wood, and just everything else to anything else! They also work on glass, rubber and most plastics. Both are important additions to any shop or home. Comes in a handy, one ounce applicator bottle.

CA-5 CYANOACRYLATE
2201-001.....\$17.95 (CLUB \$16.15)
CA-8 CYANOACRYLATE
2201-002.....\$17.95 (CLUB \$16.15)
CYANOACRYLATE SET
2201-003.....\$32.00 (CLUB \$28.80)



Our Customers Asked for this Catalog Cover So Much We Made It a Poster.

Our Marking/Mortising Gage on Black poster (17" x 24") would look great on your shop, den or office wall. The poster is available with a ready-to-hang black metal frame or unframed. Makes a great gift!

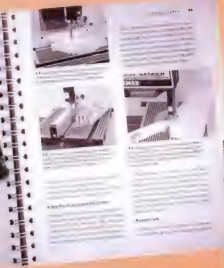
FRAMED MARKING/MORTISING GAGE ON BLACK POSTER
1101-042F.....\$69.95 (CLUB \$62.95)
UNFRAMED MARKING/MORTISING GAGE ON BLACK POSTER
1101-042.....\$12.95 (CLUB \$11.65)



If You Own a Bandsaw, Buy This Book!

A bandsaw, when properly tuned and cared for is a tool to behold. Now you can fine-tune your bandsaw into a sweet-singing sawing machine! The *Bandsaw Workshop Bench Reference*, featuring a durable shop-proof cover and a "lay flat" binding, is your step-by-step guide to years of trouble free bandsawing. In addition to tuning, you'll also learn the many techniques and tips of the pros, including how to build a plethora of specialty jigs. Highly Recommended. (160 pages, softbound)

BANDSAW WORKSHOP BENCH REFERENCE
4408-050.....\$17.95 (CLUB \$16.15)



You Can Build this Classic Duesenberg!

Complete plans for one of the most highly cherished automobiles in history. Quite a conversation piece! If you have more than one child, you better plan on making duplicates... (19"L x 6"H x 7"W)

DUESENBERG PLANS
9929-006.....\$15.90 (CLUB \$14.31)

These Are The Handiest Clamps In Your Shop!

Anti-torque clamps apply pressure exactly where you need without pad spin which mars your work. These versatile clamps excel at repairs. They don't deflect and won't twist on your work. Try a couple of each size, they are unbeatable in many awkward clamping situations.

ANTI-TORQUE CLAMP 4-1/2"
7610-110.....\$20.75 (CLUB \$18.65)
ANTI-TORQUE CLAMP 3"
7610-111.....\$18.95 (CLUB \$17.05)
ANTI-TORQUE CLAMP 2"
7610-112.....\$14.94 (CLUB \$13.45)
ANTI-TORQUE CLAMP 1"
7610-113.....\$13.39 (CLUB \$12.05)



TOOLS FOR THE BRAIN!

Sad Scientific Fact: Your Brain is More Active When You are Asleep than While Watching TV!

It is impossible to maintain a healthy happiness quotient with a steady diet of electronic drivel. Turn off your TV and play games for a couple of hours each week. These ingenious wooden games will jump-kick your brain back into high gear where it belongs! All have achieved significant honors, are extremely easy to learn, take less than fifteen minutes to play and are not easily mastered. I assure you the fun factor of playing these new games is more addictive than all Laverne & Shirley reruns combined! (See my secret game tips below.)

QUARTO!® is a deceptively simple game for two players. This 1993 "Mensa Award" winner has won a spot on the Games 100 list in 1993, 1994, 1995, 1996, 1997 and 1998, is never tiring and always fun. All you have to do is get four game pieces in a row with one common trait. The catch? Your opponent selects your game piece for you when it is your turn! This is truly a great game and has been thoroughly enjoyed by everyone we have shared it with. Now it is your turn! Just when you think you have the game won...Wham! You just handed your opponent the winning piece! How do you spell L-O-S-E-R?

QUARTO!® 9930-001 \$35.00 (CLUB \$29.95)



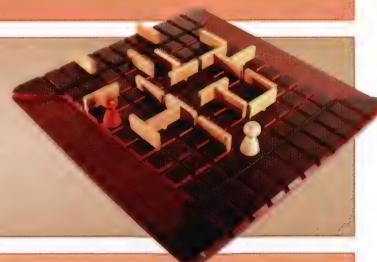
The objective of PYLOS®, another "Mensa Award" winner and a two-player game, is to create a wooden ball pyramid. If your color ends on top, you win. This game is so simple and yet so addictively frustrating, you just want to play it over and over and over. Next time you are asked to take the garbage out in sub-zero weather, look your partner in the eye and say...PYLOS! Ten minutes later you may not have to make the garbage run. And then again you may need to say...two out of three! (The board is relieved for the first level of the pyramid so the balls stay on the board. This is a strategy game, not dexterity game.—JE)

PYLOS® 9930-002 \$35.00 (CLUB \$29.95)



QUORIDOR® is the 1998 Game of the Year and has also won the coveted "Mensa Award". Like all great games, the objective is simple, get your pieces to the other side of the board first. You will soon find however, while trying to get to where you are going, you haven't been doing a great job preventing your opponent from accomplishing the same objective. This game is a hoot and can be played by two or four players!

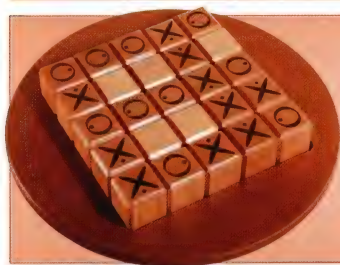
QUORIDOR® 9930-003 \$35.00 (CLUB \$29.95)



QUIXO®, a recipient of the coveted Mensa "Top Five Games" award is a simple strategy game where the strategy is never the same. This challenging two or four person game will provide hours of thought provoking fun for players of all ages and abilities—the true hallmark of a great game.

All you do is get five of your pieces in a row in a small sea of shifting rows. Game times are typically 10-15 minutes—the perfect length to use as a gambling ploy to avoid boring chores or settle disputes! Once you win a game, follow our guidelines on how to be a poor winner for added insults.

QUIXO® 9930-004 \$35.00 (CLUB \$29.95)



JOHN'S SECRET GAME TIPS FOR PYLOS®, QUARTO!®, QUORIDOR® & QUIXO®:
GAME SECRET #1: This tested game secret works for all four games. Basically, I have to win game one. This victory creates an overwhelming feeling of superiority, which I exploit with chanting, gloating, bawling and an occasional, spasmodic arm-waving-victory-dance with off-key singing. Typically, this creates an urge for my opponents to redeem their intelligence by demanding a rematch because of my self-diagnosed invincibility. I almost always lose the rematch. Trust me, their victory celebration are continues with great fanfare and laughter and is a great addition to the day. GAME SECRET #2: This trick also works for all four games. If you happen to win the first game, quit. This simple act of will creates an unbelievable urge for a rematch. Simply walk away after pronouncing yourself "King/Queen of All Games". While your opponent is whining about how unfair you are, act interested and appear to reconsider your decision. Then say something like this, "Look, its freezing outside. Maybe if you took the trash out I will reconsider your request...." This works! 63.4%*** of the time.
***Sometimes I have been punched with this technique.
***Percentage varies with outside temperature.



Buy One of Each and Save \$11!

BRAIN FOOD GAME PACK
9930-005 \$129.00 (CLUB \$116.00)

Dinner May Get Mighty Cold by the Time this Bottle of Wine is Opened!

Without question, The WINE BOTTLE PUZZLE is the most fun new product we have seen in years! The next time you take a bottle of wine to a friend's home for dinner, lock it up in this wooden gizmo! It may take minutes, or hours, to unlock, but for however long it takes, one thing is certain—you'll beam from ear to ear in a friendly, perverse joy! It's an ingenious gift sure to please all. Quality made from Canadian hardwoods, this puzzle will last for years. (Wine not included.)



THE WINE BOTTLE PUZZLE
9930-006 \$27.99 (CLUB \$25.19)



Our Gift Certificates Will Make Any Woodworker Grin From Ear to Ear!

These attractive gift certificates are great for the fussiest master craftsman who has everything or those who are just starting out. Perfect for holidays, birthdays and other special occasions. \$5, \$10, \$25, \$50 and \$100 denominations.

GIFT CERTIFICATE
9101-028

No Home Shop is Complete Without a Soldering Iron—Here's the Best and IT'S CORDLESS!

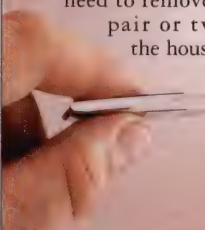


This self-igniting, cordless soldering iron kit is the handiest iron we have ever used! Fill it with butane (available everywhere) and you have the equivalent of a 120 watt iron without an annoying cord. The portability and one hand ignition make this tool indispensable for a myriad of shop projects. From burning wood designs to soldering, you haven't used a more convenient tool. Hot enough to silver solder, weld plastics, or loosen stubborn nuts and bolts, the **SOLDERPRO™** makes an indispensable shop companion. Comes complete with a hot knife tip (cuts plastics and linoleum), blow torch tip (2500°F for loosening nuts and bolts), heat blower tip (for softening materials like putty and shrink tubing), a solder tip, rosin core solder (for all electrical connections) and a safety case. Runs 4 hours on a single charge of butane (not included). A great tool + great price = A GREAT GIFT, for either yourself or that special handy guy/gal around the house!

SOLDERPRO™
8845-001 \$175.00 (CLUB \$157.50)

Here's the Best Pair of Needle Point Tweezers....

These stainless steel needle point tweezers are phenomenally accurate. Perfect for small part work or even picking out the flaws on a photo transparency. And they really excel when you need to remove a sliver. Get an extra pair or two to sprinkle around the house.



**UNCLE BILL'S
TWEEZERS**
6901-001
\$5.25 (CLUB \$4.70)
GET THREE FOR
\$14.50 (CLUB \$13.05)

Now You Can Build The Locomotive That Connected the American West!

This ambitious project is a treat for history buffs and a feast for the eyes of any of your woodworking buddies. This is a first class project and includes all details for building the engine, tender, coach cars and the bridge! Do not buy these plans if you have more than one heir because we are talking major **FAMILY FEUD** here....(48"L x 10"H)

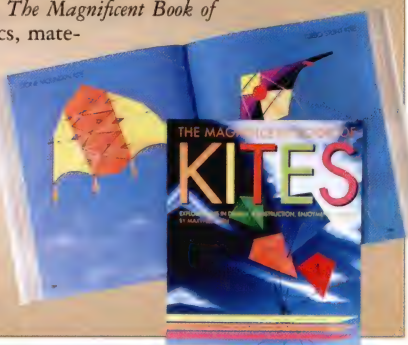
IRON HORSE TRAIN PLANS
9929-003 \$17.90 (CLUB \$16.11)



464 Pages of Kites and Kite Making Instructions!

This is the "big one" when it comes to kite knowledge. *The Magnificent Book of Kites* is a thorough treatise on kite anatomy, aerodynamics, materials and flying techniques. Includes plans for 36 unique kites sure to please children of "old" ages. This is an immensely enjoyable volume with enough technical information to please an engineer, yet written to be understood by all. We have not reviewed a better or more thorough book on this subject. The next time you feel a breeze, don't let it waste away wherever it's headed, launch a hand-made kite! Highly recommended. (464 pages, softbound)

THE MAGNIFICENT BOOK OF KITES
4408-070 \$14.95 (CLUB \$13.45)



O.K. You Just Screwed Up.... Here's Your "Get Out of Woodworking Jail Free" Card!



It's not the mistakes you make in the shop, it's how you deal with them that counts! Here is a "must have" book with over 200 solutions to some of the most annoying wood shop mistakes. Regardless of your experience level, *The Woodworker's Solution Book* can be the biggest helper you ever had! There's an old saying: "No plan survives the collision with reality" and this is often true during bad days in the shop. Do yourself a really big favor and find a place for this book in your shop...because your prayers of an error free project are not likely to be answered! Highly recommended. (128 pages, softbound)

THE WOODWORKER'S SOLUTION BOOK
4428-012 \$26.99 (CLUB \$24.29)

Here is the Finest Idea Under \$15 in our Catalog!

New!

Words cannot describe the convenience of the "BIGG LUGG™". This ingenious belt clip will hold power tools, flashlights.... Heck, because it is bendable, swivels and pivots, it will hold just about anything you would ever lug up a ladder or move around in your shop! No more multiple trips, no more bending over every time you need your cordless drill.... ★★★★★ our highest rating! Great gift idea! So "Lugg it, don't leave it!"™.

BIGG LUGG™
8856-001 \$13.95 (CLUB \$12.55)

If you own a Makita 9.6 you will also need the **BIGG LUGG™ MAKITA "ETR"**, a quick and easy **BIGG LUGG™** adapter to enable you to eliminate the leather holster along with the weight.

BIGG LUGG™ MAKITA "ETR"
8856-002 \$4.00 (CLUB \$3.60)



Making Chairs Is Much More Fun When You KNOW What You Are Doing!

No woodworking project offers more rewards both visually and functionally than a well-crafted wooden chair. And *The Art of Chair-Making* is a great place to start. From a beautiful Shaker settee with a woven tape seat to a Windsor stool in sassafras and walnut, or a cherry rocker to a white ash porch swing, you will marvel at the diversity of chairs you can make yourself! None of these projects are overly difficult, all however are extremely attractive. This is a very good resource for a number of classic chairs. Recommended. (144 pages, softbound)

THE ART OF CHAIR-MAKING
4408-071.....\$21.95 (CLUB \$19.75)



CLAMP NOT INCLUDED.

At Last, a Miter Clamping System That Works!

There is nothing uglier than an improperly made miter joint. Typically, poor miters are a result of clamping difficulty. This is no longer an issue with the new **MCX MITER CLAMP SYSTEM**. Simply configure the clamp for 22.5, 30, 45 or 60 degree clamping (included in kit) and use a standard sliding bar clamp for pressure. The mechanism locks firmly to your stock and allows all the pressure to be applied directly to the joint surfaces without distorting your project. It's fast, dead accurate and tight! (Each set includes clamping jaws for one miter, i.e., if you like to clamp four 90 degree corners of a frame in one setting, you'll need four clamps.)

MCX MITER CLAMP SYSTEM
8842-001.....\$29.95 (CLUB \$26.95)
SET OF FOUR MCX CLAMPS
8842-002.....\$115.00 (CLUB \$103.50)

Learn This Simple 4 Step Procedure and Your Work Will Never Look The Same!

Creating your own decorative motifs and banding has remained a confusing mystery...until now! This superb book will teach you the simple methodology of creative laminating allowing you to drastically change your concept of woodworking. This is one of the few "Ah HA!" books we have seen. (144 pages, softbound)

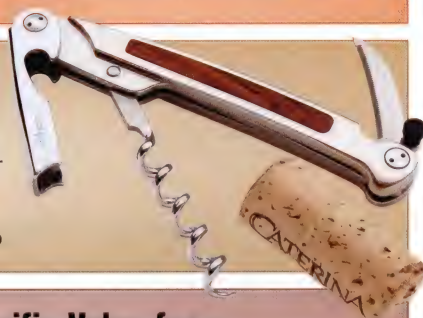
LAMINATED DESIGNS IN WOOD
4417-003.....\$19.95 (CLUB \$17.95)



Look at this Stunningly Gorgeous Wine Opener!

Rarely will you find such a well-conceived tool. Feast your eyes on the grace and function of this exquisite, rosewood infilled wine opener. Features a one-handed foil knife, a slim (and sharp) corkscrew and a plated cork lever. This is a professional tool with an unbeatable presence. This timeless beauty is a classy holiday gift idea for any wine enthusiast and is one of the most fondled tools in our showroom.

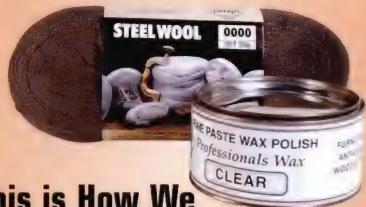
ROSEWOOD WINE OPENER
8820-002.....\$95.00 (CLUB \$85.50)



Steel Wool is Steel Wool is Steel Wool. Ha!

This steel wool contains no oil (most do), and has a long filament structure (most don't). Does not crumble and lasts much longer. Use the "0000" for removing blemishes from brass, polishing finishes and wax applications. Imported from Europe. 250 g sleeve.

"0000" STEEL WOOL
2207-002.....\$6.25 (CLUB \$5.65)



This is How We Put the Shine on Our Tools!

PROFESSIONALS WAX is the paste wax used to protect our beautiful tools. Periodic cleaning will restore your tools like new and renew your creative spirit. Great for turnings, boxes and any small piece you want to protect. I love the smell of **PROFESSIONALS WAX**—it's like the inside of my grandfather's humidor.

PROFESSIONALS WAX (14 OZ. TIN.)
2207-001.....\$16.95 (CLUB \$15.25)

Save When You Order Both!

PROFESSIONALS WAX & STEEL WOOL
2207-003.....\$21.95 (CLUB \$19.75)



This is a Terrific Value for a Complete Set of Small Files and Rasps!

Barely six inches long, these imported small files will complete your search for an abrasive tool for delicate or confined applications. They are not heirloom tools by any stretch but we have found them to be quite adequate for the task. They are a very good value. Square, round, triangular, half-round cross sections included. Very handy!

30 PIECE SMALL FILES & RASPS
6623-001.....\$29.95 (CLUB \$26.95)

Six Years in Development, Here's the FireStone Belt Axe!

Designed by internationally acclaimed cutlery designer Arlan D. Lothe, this **BELT AXE** is a fluid study in functional design. Investment cast from 440c stainless steel and properly heat treated to keep an edge through the toughest of cutting and chopping tasks, this axe is "as good as it gets". Curved laminated birch handle is secured by a hardened set screw and spring steel roll pin. Comes complete with handsome leather swivel sheath. This is one cool axe!

BELT AXE
8858-001.....\$149.00
(CLUB \$134.10)

New!



The Belt Axe includes a handsome leather swivel sheath for safety and convenience.

Making a wood spokeshave



Regardless of Your Ability Level, David Charlesworth's New Book Belongs in Your Library!

I've been working in wood 33 years and of all the books I review each year, this is one of the best. If you're a beginner, *David Charlesworth's Furniture-Making Techniques* will set you on the right path. The more experienced you are, the more challenged you will be to re-examine your methods. Included are numerous plans for hand tools you can build in addition to step-by-step instructions on some really nifty joints, including the twisted or "impossible" dovetail. Clearly written and beautifully illustrated, *David Charlesworth's Furniture-Making Techniques* is from the Guild of Master Craftsmen Publications, our favorite woodworking press! This earns our ★★★★★ rating, the best! (119 pages, softbound)

DAVID CHARLESWORTH'S FURNITURE-MAKING TECHNIQUES
4408-067 \$17.95 (CLUB \$16.15)

Imagine Your Home with Doors You Built Yourself!

Building Doors and Entryways is an easy path to creating a very dramatic look for your home. Create the perfect portal by following this detailed guide to handmade doors. Learn all the tips and tricks from the ground up with the four detailed examples in this new book. (128 pages, softbound)

BUILDING DOORS AND ENTRYWAYS
4408-013 \$19.95 (CLUB \$17.95)

The Perfect Pocket Knife for that Special Woodworker!

Handmade in Germany, this slim, cast brass knife fits inconspicuously in your pocket or you may use it as a key chain. Beautifully made, it features all kinds of woodworking tools on each cheek with a slot screwdriver, bottle opener and a knife on the inside. A terrific gift idea for you-know-who!

EMBOSSD WOODWORKER'S KNIFE
8821-003 \$27.85 (CLUB \$25.05)

25 Authentic Arts and Crafts Era Projects!

The timeless designs of the American Arts and Crafts movement are elegantly captured in the new book, *Building Arts & Crafts Furniture*. The simple beauty of this period is still an inspiring reminder that less is more. Detailed measured drawings and color photographs will keep you busy all winter long. (144 pages, softbound)

BUILDING ARTS & CRAFTS FURNITURE
4408-018 \$21.95 (CLUB \$19.75)

NEW Technology Allows You to Bring Outdoor Lighting Indoors!

Dr. John Ott, the man who perfected time-lapsed photography with Walt Disney, has produced one of the most stunning, vision enhancing lighting systems we have ever used.

Lighting is perhaps the single most important ingredient contributing to quality work. Try this test: Take any project, whether it be a carving, joint assembly, stamp collection, quilt, etc., outside and examine under natural light. Pay particular attention to color, contrast and tiny details. Now repeat this inspection indoors with artificial lights. The results are dramatic! There is NO WAY current incandescent or florescent lighting allows you to see as well with natural sunlight! With an OTT-LITE®, you will experience dramatic changes in the way you see indoors. OTT-LITES create nature's perfect light allowing you to see colors that are true, with enhanced contrast and reduced glare. The tiniest of details are now visible allowing you to do your best work. OTT-LITES work because they are formulated with rare-earth phosphors that create a perfect white light, without the heat, glare, and distortion of ordinary artificial lighting. The results are amazing and particularly noticeable as your eyesight ages, which can distort colors, depth perception and contrast.

I can read most books and magazines outside without my glasses but I cannot read indoors, anywhere in my home, without my glasses. With an OTT-LITE®, I found reading indoors just like it used to be before I turned 40—NO GLASSES!

These amazing lights are perfect for all indoor hobbies, including woodworking, model trains, sewing, quilting, fly tying, carving, needlepoint, collecting and much more. Critical measurements, color matching, and contrast details are completely different with an OTT-LITE®. Used extensively by dental labs for matching replacement teeth and other medical labs where vision needs are critical, OTT-LITES make enormous vision differences for professionals who rely on their sight. Do yourself a favor and try an OTT-LITE® today—if you are not completely satisfied with the results (within 90 days) we will refund your money! (Note: OTT-LITE® uses low wattage bulbs and bulb life is thousands of hours.)

18 WATT TRUECOLOR FLEXARM PLUS LAMP

- MORE LIGHT FOR LARGER AREAS
- ROTATES 360° AT BASE, TWO FLEXJOINTS
- EASILY CONVERTS FROM CLAMP-ON TO DESKTOP/WORKBENCH USE
- OTT-LITE TRUECOLOR 18 WATT TUBE INCLUDED

13 WATT TRUECOLOR LAMP

- AUTO ON/OFF WITH OPEN/CLOSE
- LIGHTWEIGHT, COMPACT, WITH CARRY HANDLE THAT MAKES IT EASY TO TAKE ANYWHERE
- OTT-LITE TRUECOLOR 13 WATT TUBE INCLUDED

TABLE BASE INCLUDED BUT NOT SHOWN.

TRUECOLOR™ 13 WATT LAMP INCLUDING BULB
8815-001 \$59.95 (CLUB \$53.95)

13 WATT REPLACEMENT BULB
8815-002 \$20.00 (CLUB \$18.00)

TRUECOLOR™ 18 WATT FLEXARM PLUS LAMP INCLUDING BULB
8815-003 \$134.95 (CLUB \$121.45)

18 WATT REPLACEMENT BULB
8815-004 \$24.95 (CLUB \$22.45)



"Quality is Contagious" Also Available in a Single Poster.

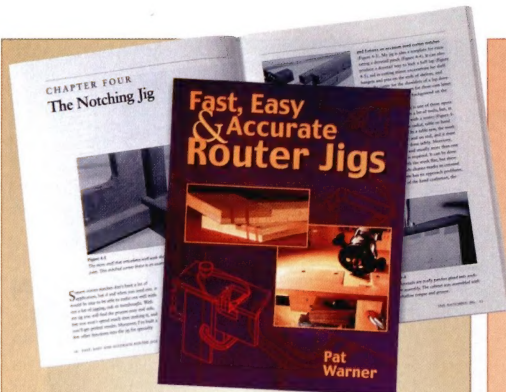
Here is our popular QUALITY IS CONTAGIOUS CARVING catalog cover as a full size (17" x 24") poster. Give someone you know the inspiration to do their best. The poster is available with a ready-to-hang, black metal frame or unframed. Makes a great gift!

FRAMED QUALITY IS CONTAGIOUS CARVING POSTER

1101-040F \$69.95 (CLUB \$62.95)

UNFRAMED QUALITY IS CONTAGIOUS CARVING POSTER

1101-040 \$12.95 (CLUB \$11.65)



Twelve All New Plans for Router Fixtures!

No question about it, the router is the most versatile power tool in the shop. With *Fast, Easy & Accurate Router Jigs*, you can push this amazing machine even further! You can't beat saving time and money while increasing safety with these 12 ingenious jigs. If you own a router, this book is for you! (128 pages, softbound)

FAST, EASY & ACCURATE ROUTER JIGS
4428-014 \$24.99 (CLUB \$22.49)



This is The Handiest Vacuum Accessory You'll Ever Own!

MR. NOZZLE is the accessory package that should have come with your shop vac. Includes a 12' crushproof hose that increases airflow, a non-brittle crevice tool, claw tool and swivel cuff. This is a winner of a product and a must have for every shop! Fits all standard wet/dry vacs. Highly recommended.

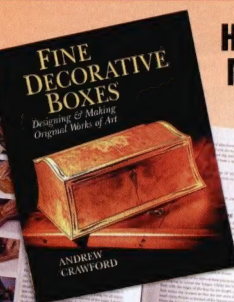
MR. NOZZLE VAC TOOL KIT
7325-100 \$29.95 (CLUB \$26.95)

Wow! Here Are Some of the Neatest Homes In America!

Just thumbing through the pages of *The New Cottage Home* makes you feel like you are on vacation! Packed with gorgeous photos, this idea stuffed book will force you to consider the crazy, conspicuous consumption driven society in which we live. I don't know how anybody could look at this soulful book and not come away with a desire to "scale back" and enjoy life. There are ideas aplenty and many are applicable either in whole, or part, for immediate consideration in your own home and life. *The New Cottage Home* earns our highest rating, ★★★★★! Highly recommended. (231 pages, softbound)

THE NEW COTTAGE HOME

4401-004 \$22.95 (CLUB \$20.65)



Here's an Extraordinary, Step-by-Step Guide to Making TEN Exquisite Boxes!

If you ever wanted to have a master craftsman visit your shop for a day, here's your chance! *Fine Decorative Boxes* is a great 144-page mentor into the world of exquisite craftsmanship. Rarely have we seen a text so rich in instruction with laser crisp color photography. This elaborately detailed book will appeal to woodworkers at every level. All ten projects are ★★★★★ in appearance and design. Highly recommended. (144 pages, softbound)

FINE DECORATIVE BOXES

4408-055 \$21.95 (CLUB \$19.75)

Learn How To Make the Most Important Visual Element of Your Home—Doors!

When you peruse this book you will be flattened (by disappointment) in the modern production door found on almost every home in America. There is so much more life, vitality and originality in a handmade door!

Doormaking is your practical guide to over 50 different doors, including plans, techniques and detailed discussions culled from centuries of door making history. In many ways, doors are much easier to make than many shop projects, so open your mind to making—and opening—a new door! Very highly recommended! (192 pages, softbound)

DOORMAKING

4408-053 \$19.95 (CLUB \$17.95)



The Amazing "Tiger Claw" Plier Maintains It's Grip Once You Let Go!

Every shop needs a plier that works... here's the best! German made from chrome vanadium steel, this astonishing plier has a smaller head profile and lighter weight without sacrificing strength. The pinch-proof handle design allows you to get into all the tight spots for those difficult to reach problem fasteners. This is a great tool and will become the most popular plier in your shop. The unique slip-joint design will grip pipes, rounded nuts and other slippery critters and maintain grip once you let go! Highly recommended.

TIGER CLAW PLIERS

8821-005 \$26.50 (CLUB \$23.85)





New!

**This is the
World's Finest
Woodworking
Machine!**

Please Meet the Phenomenal Knapp Multi-Machine!

Quite frankly, we don't plan on selling any of these machines because it was designed for optimal function without regard to cost. It is however the most amazing and precisely engineered woodworking machine I have ever seen, and the most expensive. *There are no compromises.* Knowing this machine will likely never see your shop floor, please take a moment and enjoy the effort that went into making this peerless tool.

Multi-machines are efficient in a single person shop because you only use one machine at a time. This frees up valuable real estate for projects and other equipment and economizes electrical and dust collection needs. This is where the similarity to other multi-machines ends. The rest is an almost unbelievable pursuit of functional excellence that is unmatched in woodworking machine tools.

So, what do you get when you spend upwards of \$26,000 for a woodworking machine? Solid cast iron dovetailed adjustment mechanisms. More precision ball bearings than you can count. Large working surfaces machined to human hair tolerances. Moving components that make you smile when adjustments are required. Three, five horsepower precision motors affixed in enough cast iron that you can

barely tell when the machine is turned on. And cuts that would make NASA proud. In fact, wood processed on this machine doesn't even sound like any other stationary power tool I have used. It is the most fun and enthralling piece of work money can buy and it will make any owner a better woodworker.

There are not enough words to praise the **KNAPP** multi-machine. When you combine a 12" table saw w/sliding table, 16" planer, 1-1/4" adjustable angle spindle shaper, 16" jointer and a mortising machine, you have a professional woodworking shop. And there are enough options for each of these machines we can't include them all in this catalog!

If you are serious enough to consider a **KNAPP** for your shop, you have lots of questions. We have the answers. Each **KNAPP** machine is custom built in Europe to your specifications and takes 90-120 days to build. Prices begin around \$14,000 and top out fully loaded around \$26,000. If you like the best, this is as good as it gets.

For the rest, the **KNAPP** is worth sharing because it represents a singular pursuit of passion that has all but disappeared in our throwaway world. I walked by this machine nine months ago and still have dreams about the accuracy, workmanship and engineering. And another interesting thing happened. This machine makes me want to do better in just about everything I do in the shop, it is that impressive. So I am going to keep my current car for a few more years and I will be driving a **KNAPP** in my shop!



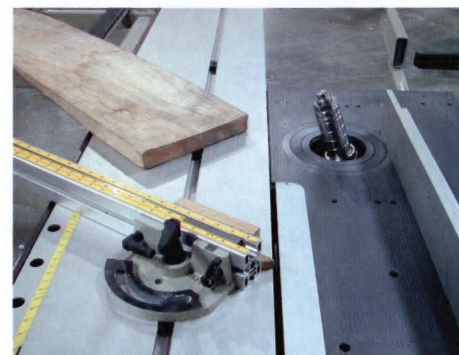
PHENOMENAL TABLE SAW



PHENOMENAL JOINTER



PHENOMENAL ENGINEERING



PHENOMENAL SHAPER



PHENOMENAL PLANER

**CUSTOM KNAPP MULTI-PURPOSE
MACHINE**
7706-001..... \$14,000-\$26,000
(DEPENDENT ON CONFIGURATION)
(CLUB MEMBER DISCOUNT IS \$100)

ORDER ONLINE OR BY EMAIL

Orders placed online at www.bridgecitytools.com are fast and credit card information is secure with browser versions 4.0 and above. If you have made previous Bridge City credit card purchases, you may email your order to: sales@bridgecitytools.com. Please DO NOT send credit card information via email.

ORDER BY PHONE

Call Toll Free **1-800-253-3332** in the United States and Canada. In Portland and elsewhere call **1-503-282-6997**. For fast, friendly service call us Monday through Friday, 8:00 AM to 5:00 PM Pacific Standard Time. Please have your mailing label information and credit card handy.

ORDER BY MAIL

Complete the order form, detach and mail enclosed in an envelope along with your check or credit card number. We accept payment by checks, money orders, Visa, MasterCard, American Express or Discover. Please include the expiration date and sign the form where indicated for all credit card orders. By using your own envelope to help eliminate waste, you may deduct \$1.00 from your mail-in order!

ORDER BY FAX

Our FAX number is **1-503-287-1085**. Please fill out the order form completely and include your credit card number, expiration date and signature. Sorry, no COD's.

CUSTOM ENGRAVING

Most of our tools can be personalized for an additional charge of \$2.00 per letter (punctuation is free). The first three letters are free for Tool Club Members. Please indicate your preference on the order form.

SHIPPING

We ship all non-personalized in-stock items within 24 hours. In most cases, your order will arrive within ten working days. We ship US Priority Mail and Airborne. For faster service, select **Airborne 2nd Day Air** for an additional \$10.00 or **Airborne 1st Day Air** for an additional \$15.00. **This applies to in-stock merchandise only, backorders will ship regular ground service.**

INTERNATIONAL ORDERS

We accept orders via credit card or check in US funds only. In Canada, call us toll free at **1-800-253-3332**, else where call **1-503-282-6997** or FAX your order to **1-503-287-1085**. **Shipping fees for international orders are charged at cost.** Actual air shipping costs will be charged separately to your card for the total weight of each shipped package, including back-ordered items. **We ship Air Parcel Post to Canada and Airborne to other countries.** No rush service available.

GIFT WRAPPING

Any item can be gift wrapped for a nominal charge of \$4.50. This is a great service for anyone who waits until the last minute to shop. Simply indicate the appropriate item(s) on the order form.

GIFT CERTIFICATES

Indecisive about which tool would make the perfect gift for that special woodworker? May we suggest a Bridge City Gift Certificate? Available in \$5, \$10, \$25, \$50 and \$100.

SALE ITEMS

All sale items including over-stocks, special buys, and factory blemis are offered to all customers with email addresses. Please update your customer record with a valid email address if you wish to receive notification of our popular sales.

OUR LIFETIME \$5.00 GUARANTEE
RECALIBRATE • RESQUARE • REPLACE

These are the three "R's" of Bridge City Tool Works. For as long as you own a Bridge City Tool Works tool, you may get it recalibrated, resquared, or replaced if necessary for five dollars per tool.

A tool is worthless if it is not within a reasonable and proper tolerance suitable to your needs. We ought to know, this is how we came to be. We invite you to compare our tools with any production hand woodworking tools made in America, Europe or Japan.

100% SATISFACTION GUARANTEE

We stand behind everything we sell. If for any reason you are not 100% satisfied with your purchase, simply return the item **WITHIN 90 DAYS** for an exchange or a full refund on the merchandise. Please use the detachable return label on your packing slip for convenience.

QUESTIONS?

Call our toll free number **1-800-253-3332** if you have any questions regarding our products or services. Otherwise, email us at: sales@bridgecitytools.com.

Please Note: Due to the handmade nature of Bridge City Tools, wait lists occasionally occur and may be as long as 3-9 months. If your purchase is a time-sensitive gift, please request a gift card if the tool is not immediately available. **Prices are subject to change without notice.**

CLIP TO MAIL YOUR ORDER

1 YES! PLEASE notify me of your **E-MAIL ONLY SPECIAL SALES!** E-MAIL (PLEASE PRINT LEGIBLY) _____
Bridge City Tool Works is a proponent of e-mail privacy and we pledge NEVER to rent, sell or loan your confidential e-mail address. Period.

2 ORDERED BY: _____ **SHIP TO:** _____ Leave blank if same as "ORDERED BY" address.

NAME	NAME
COMPANY	COMPANY
ADDRESS	ADDRESS
CITY STATE ZIP	CITY STATE ZIP
DAY PHONE	DAY PHONE
E-MAIL (PLEASE PRINT LEGIBLY)	

ITEM NUMBER	DESCRIPTION	QTY	ENGRAVING PLEASE PRINT	ENGRAVING \$2 / LETTER	PRICE EACH	TOTAL PRICE
BCLUB	Bridge City Club Membership (Discounts will apply to all items on this order!)	1			\$40.00	

4 METHOD OF PAYMENT Please do not mail cash. Sorry, no COD'S. <input type="checkbox"/> CHECK/MONEY ORDER (Payable to: Bridge City Tool Works, Inc.) <input type="checkbox"/> VISA <input type="checkbox"/> AMERICAN EXPRESS <input type="checkbox"/> DISCOVER <input type="checkbox"/> MASTERCARD EXP. DATE _____ CARD NUMBER _____ SIGNATURE _____	SHIPPING & RUSH SERVICE \$0-\$40.....\$6.95 \$40.01-\$50.....\$7.95 \$50.01-\$60.....\$8.95 \$60.01-\$70.....\$9.95 \$70.01-\$499.99.....\$10.95 \$500.00+.....FREE Free shipping does not apply to foreign orders or the Millennium Brace. (see page 41) Airborne 1st Day Air add an additional \$15.00 Airborne 2nd Day Air add an additional \$10.00	SUBTOTAL SHIPPING & HANDLING International orders are charged at cost RUSH SERVICE See chart By using your own envelope to help eliminate waste, you may deduct \$1.00 from your mail-in order! TOTAL ENCLOSED -\$1.00
---	---	--

5 MAIL PREFERENCE SERVICE...HELP US ELIMINATE WASTE

Occasionally we make our mailing list available to carefully screened companies and organizations whose products and services may be of interest to you. If you prefer not to receive such mailings, please let us know. **(We do not make e-mail addresses available under any circumstances.)**

☐ PLEASE DO NOT MAKE MY NAME AVAILABLE TO OTHER COMPANIES.

☐ PLEASE DO NOT SEND ME BRIDGE CITY CATALOGS.
☐ I'M RECEIVING DUPLICATE CATALOGS. (Please send us both address labels, and we will consolidate your files.)

NAME _____
STREET _____
CITY _____ STATE _____ ZIP _____

☐ PLEASE NOTIFY ME IF ANY ITEM IN MY ORDER WILL BE DELAYED. (E-Mail address required.)

6 Thank you for your order!

If ordering BEFORE February 1, 2001. Mail your order to:
BRIDGE CITY TOOL WORKS, INC.
1104 NE 28TH AVE
PORTLAND, OR 97232

If ordering AFTER February 1, 2001. Mail your order to:
BRIDGE CITY TOOL WORKS, INC.
5820 NE HASSALO
PORTLAND, OR 97213





Cool! Somebody Invented a Sharpener for Carpenter's Pencils!

This highly effective and affordable pencil sharpener designed specifically for carpenter's pencils has been a long time coming. The picture says it all. These sharpeners are great gift items and never fail to bring a smile to the face of a seasoned carpenter.

CARPENTER'S PENCIL SHARPENER

8841-001 \$4.95 (CLUB \$4.45)

CARPENTER'S PENCIL SHARPENER COMBO (1 SHARPENER, 2 MEDIUM LEAD PENCILS)

8841-002 \$5.95 (CLUB \$5.35)

One of the Most Popular Plans in the World!

This kinetic wooden wonder releases a marble every two seconds to cascade through troughs, over ramps and down a xylophone all while ringing bells and flipping paddles. Sure to captivate children of ALL ages, including those who have been shaving for a couple of decades.... (41"Hx18"x18"Base)

MARBLE TOWER PLANS

9929-004 \$13.90 (CLUB \$12.51)

Once You Use the RATCHKEY You'll NEVER Use Another Chuck Key!

The RATCHKEY is a revolutionary new tool designed to eliminate standard chuck keys. (Heck, mine's already eliminated because I can't find it!) You'll marvel at the ease and speed at which the RATCHKEY allows you to open and close chucks. There is no taking it "in and out" of the chuck like a stock key because the RATCHKEY ratchets in place. The

HC-10 fits 95% of all chucks up to 3/8", the HC-12 fits most 3/8" to 1/2" chucks. Do your fingers a giant favor and replace the awful keys that come with drills—order a RATCHKEY today!

HC-10 0-3/8" RATCHKEY
8835-001 \$6.49 (CLUB \$5.84)

HC-12 3/8"-1/2" RATCHKEY
8835-002 \$6.49 (CLUB \$5.84)

www.BridgeCityTools.com

BRIDGE CITY TOOL WORKS, INC.
1104 N.E. 28TH AVE
PORTLAND, OR 97232

OR CURRENT RESIDENT



BULK RATE
U.S. POSTAGE
PAID
PERMIT NO. 5669
PORTLAND, OR

New!

Wow—Now You Can Plate Gold at Home!

Hinges, hardware, screws, tools, kitchen and bath fixtures, musical instrument components, automobile emblems, sporting goods, antiques and much more can now be gold plated in minutes with this affordable, battery powered gold plating kit.

With this simple new tool, you can electro-plate a brilliant coating of real gold directly over most conductive surfaces. It is easy, safe and the gold surface will last a lifetime with minimal care.



Try it on existing gold valuables as well. Earrings, watches, jewelry, eye glasses—the sky is the limit!

Step-by-step instructions and a video are included—you won't find a tool more fun than this kit! (Uses three 9-volt batteries, not included.)

PERSONAL GOLD PLATING SYSTEM™

8857-001 \$249.00 (CLUB \$224.10)

GOLD REPLACEMENT SOLUTION

(COVERS 2 SQ. FT.)

8857-002 \$39.00 (CLUB \$35.10)



JELLI® EARPLUGS



AMBER LENS

CLEAR LENS

GRAY LENS

In 1995, An Off-Duty Fireman Cutting Grass Had the Idea of Combining His Safety Glasses and Earplugs In One Product...

Please meet RADIANS®, a revolutionary safety product that simultaneously addresses two issues in your woodshop—eye and hearing protection! Employing wrap-around lens styling with adjustable temples, RADIANS® provide eye safety protection (lens meets ANSI Z87.1-1989 standard) and comfort to a myriad of face shapes and sizes. Combined with the all-day comfort of super-soft JELLI™ earplugs (a washable and replaceable, non-toxic FDA material, NRR 25), RADIANS® are one of the best safety inventions we have seen.

Included with each pair of RADIANS® are two sets of JELLI™ earplugs and a breakaway neck cord, allowing for the on again, off again habits of an active worker. RADIANS® are affordable, convenient and help you with the discipline needed to maintain a long-lasting and productive experience in hostile work environments. Highly Recommended!

RADIANS CLEAR LENS

8814-001 \$19.99 (CLUB \$17.99)

RADIANS AMBER LENS

(FOR OVERCAST DAYS OR LOW-LIGHT SHOPS; IDEAL AS SHOOTING GLASSES)

8814-002 \$19.99 (CLUB \$17.99)

RADIANS GRAY LENS

(FOR BRIGHT OUTDOORS WORK)

8814-003 \$19.99 (CLUB \$17.99)

REPLACEMENT JELLI™ EARPLUGS (PAIR)

8814-004 \$1.49 (CLUB \$1.34)